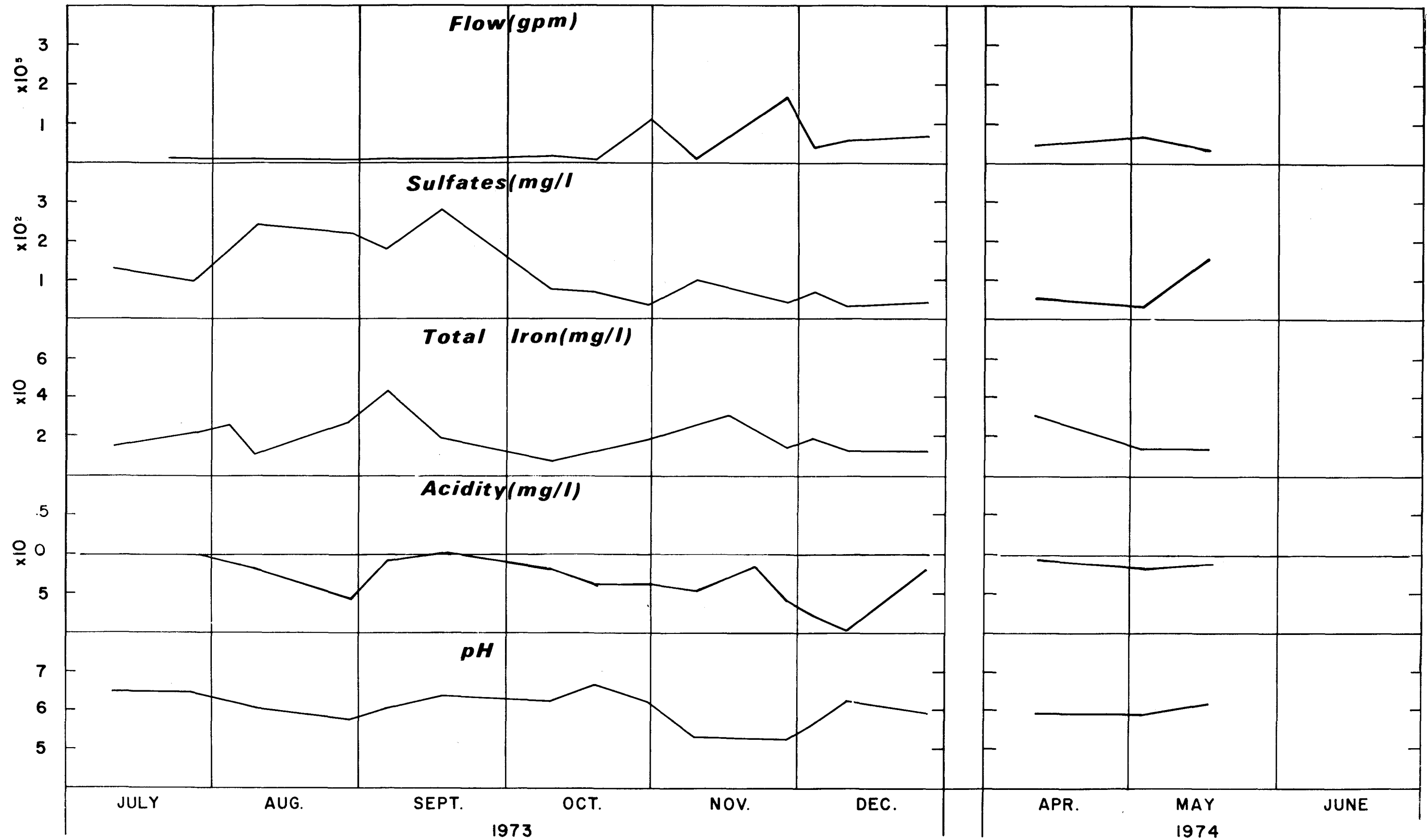
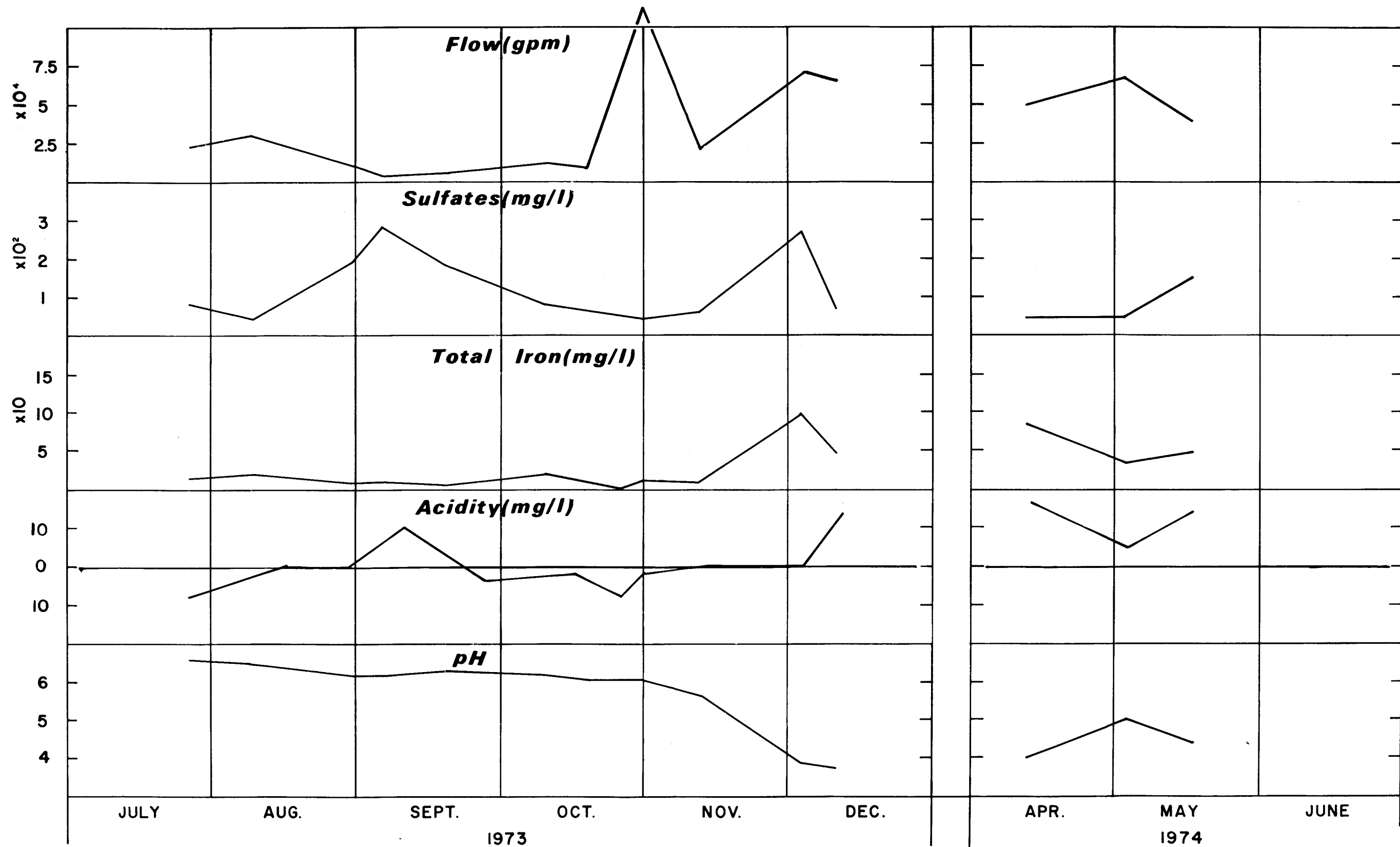


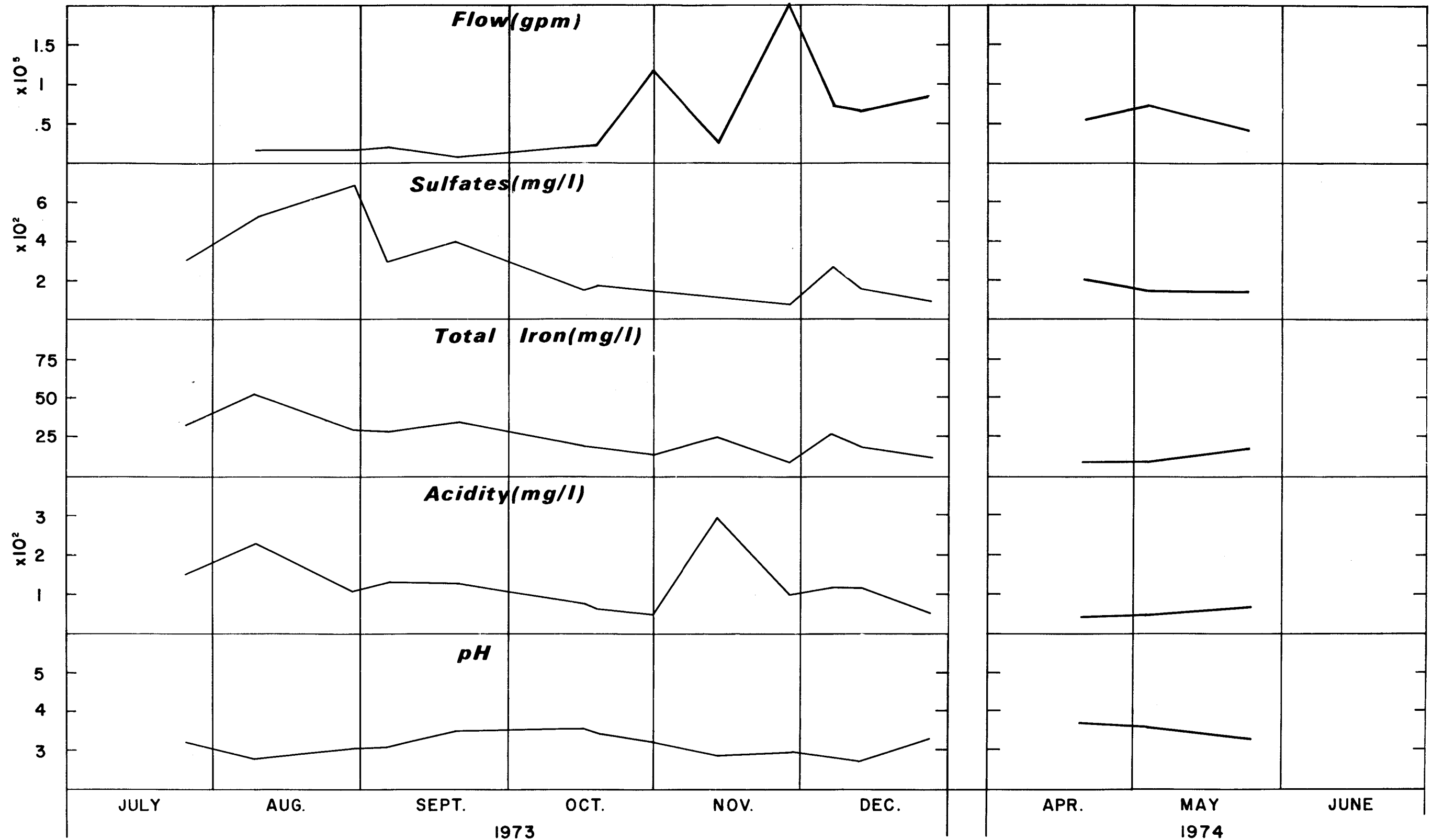
WATER QUALITY DATA
 BENNETT BRANCH
 AT
 PENFIELD
 SAMPLING STATION BB-1



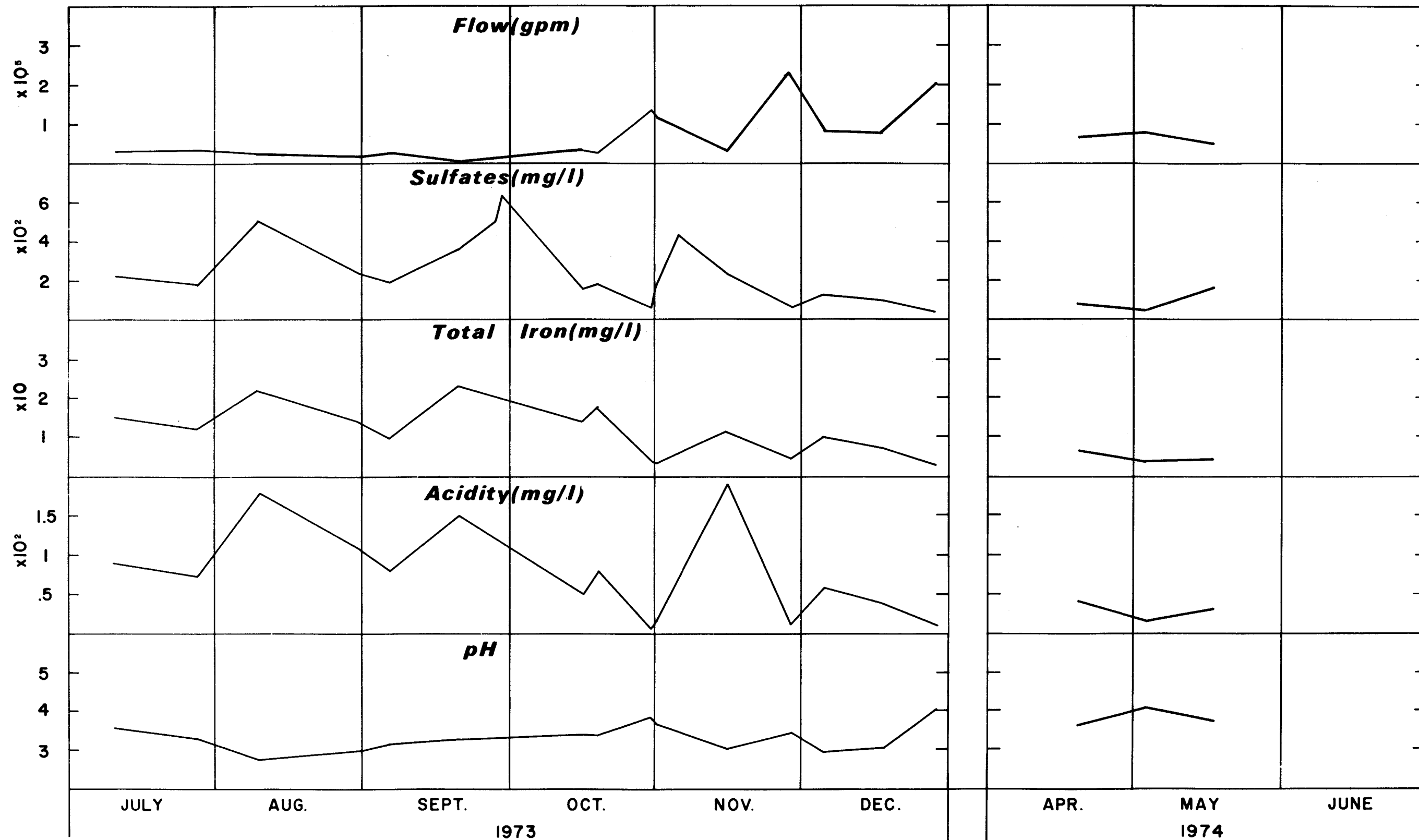
WATER QUALITY DATA
 BENNETT BRANCH
 AT
 MOOSE RUN
 SAMPLING STATION BB-II



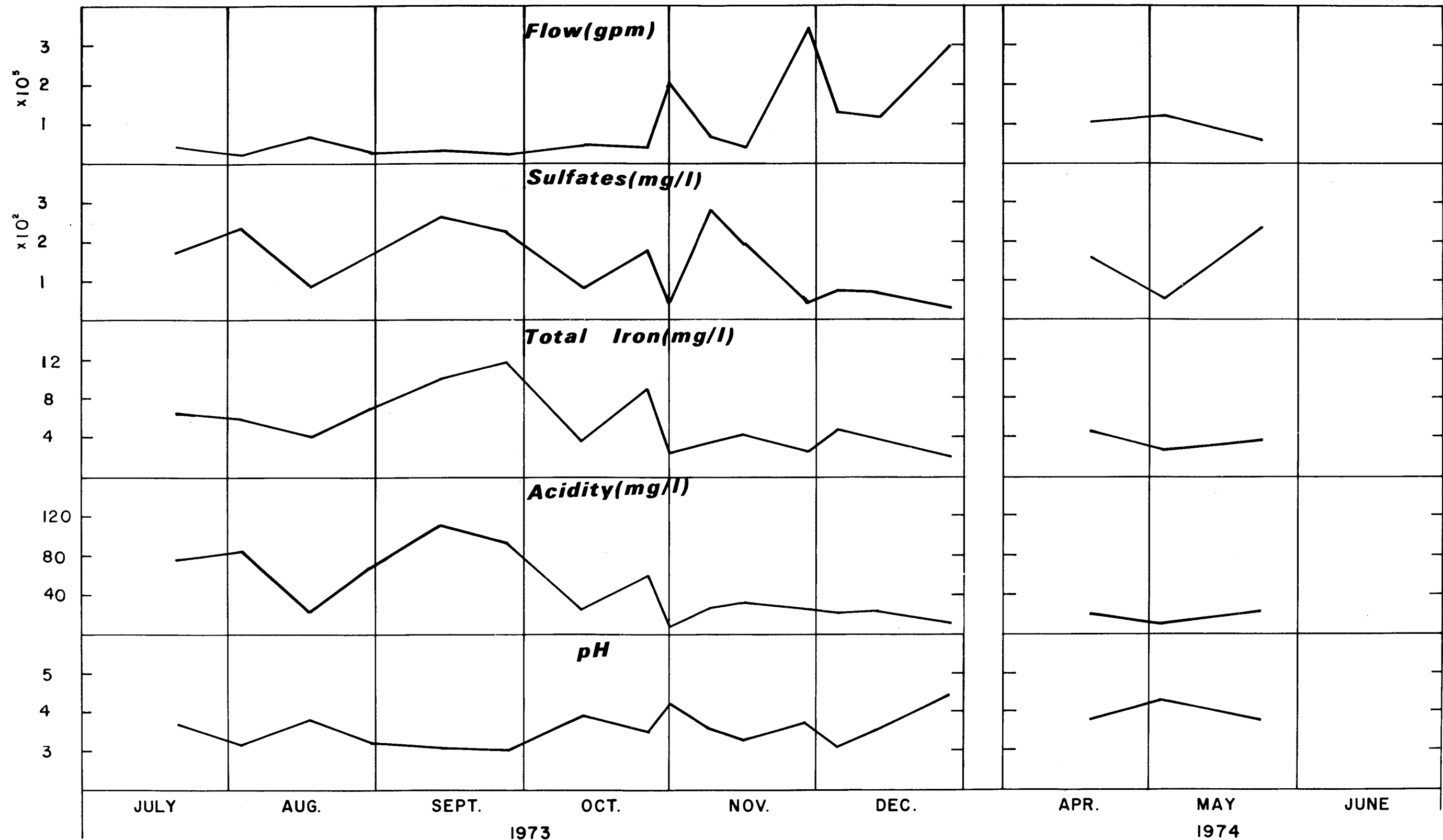
WATER QUALITY DATA
 BENNETT BRANCH
 AT
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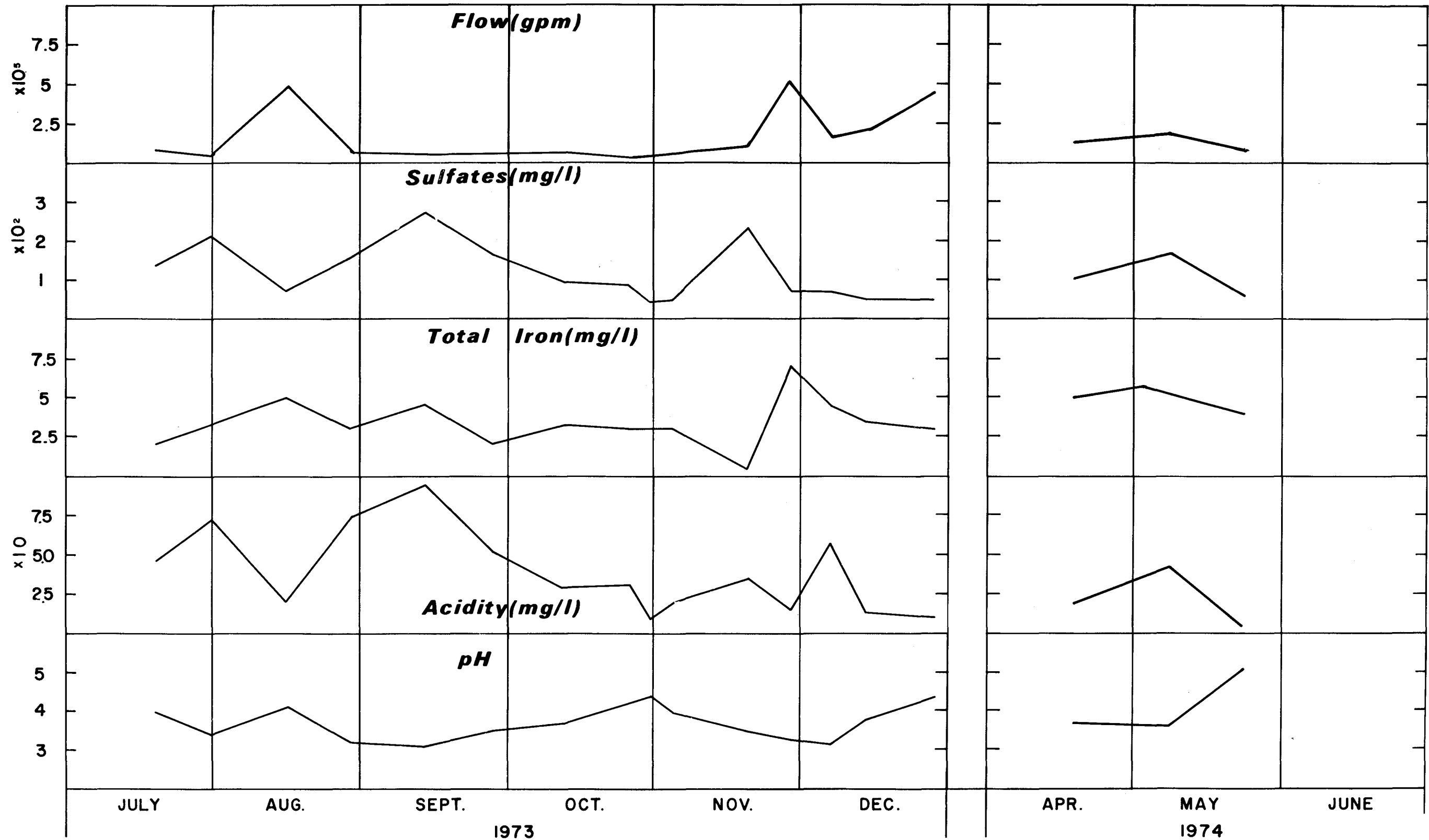
WATER QUALITY DATA
 BENNETT BRANCH
 AT
 TYLER RUN
 SAMPLING STATION BB-48



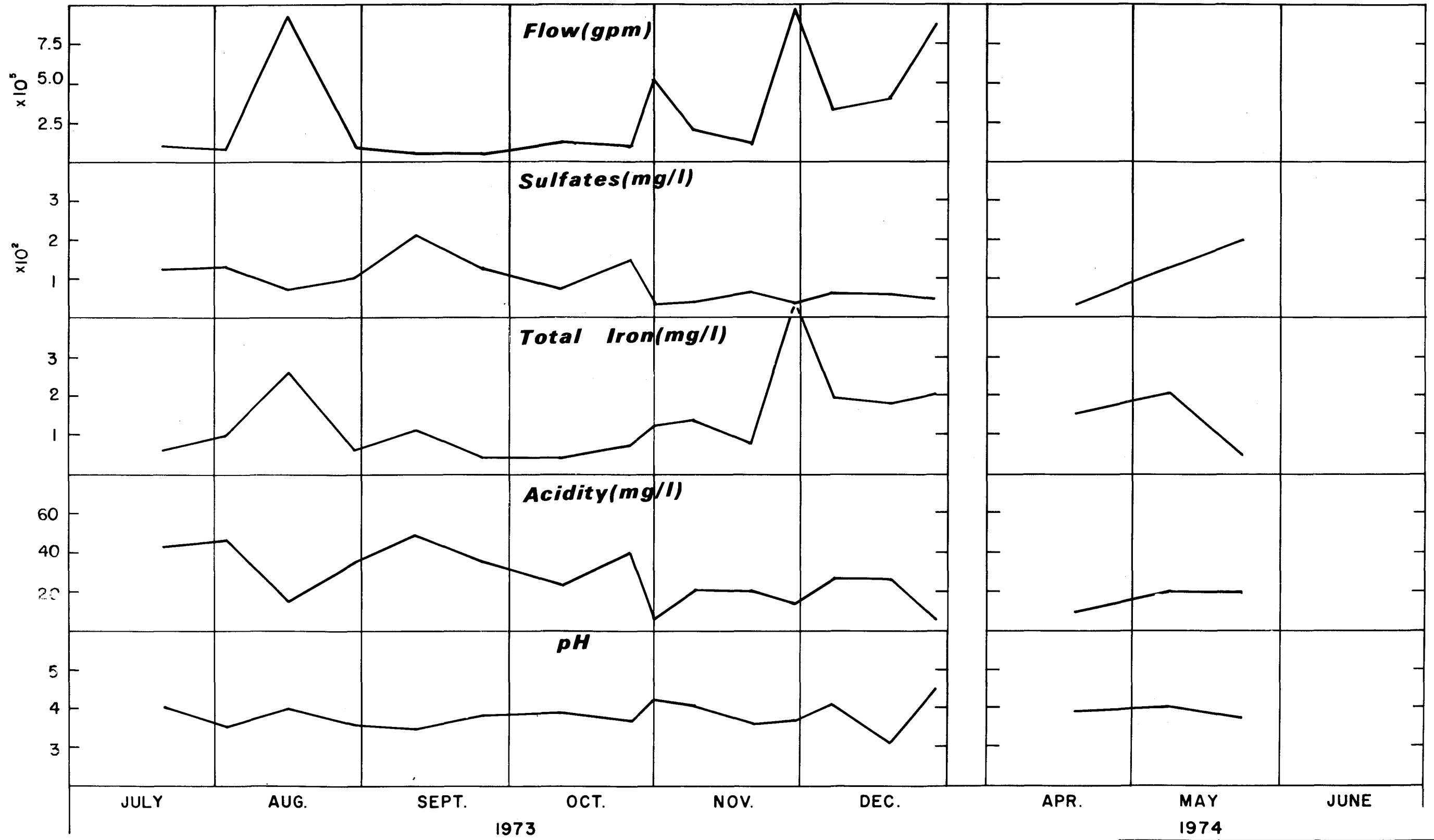
WATER QUALITY DATA
 BENNETT BRANCH
 AT
 CHERRY RUN
 SAMPLING STATION BB-67



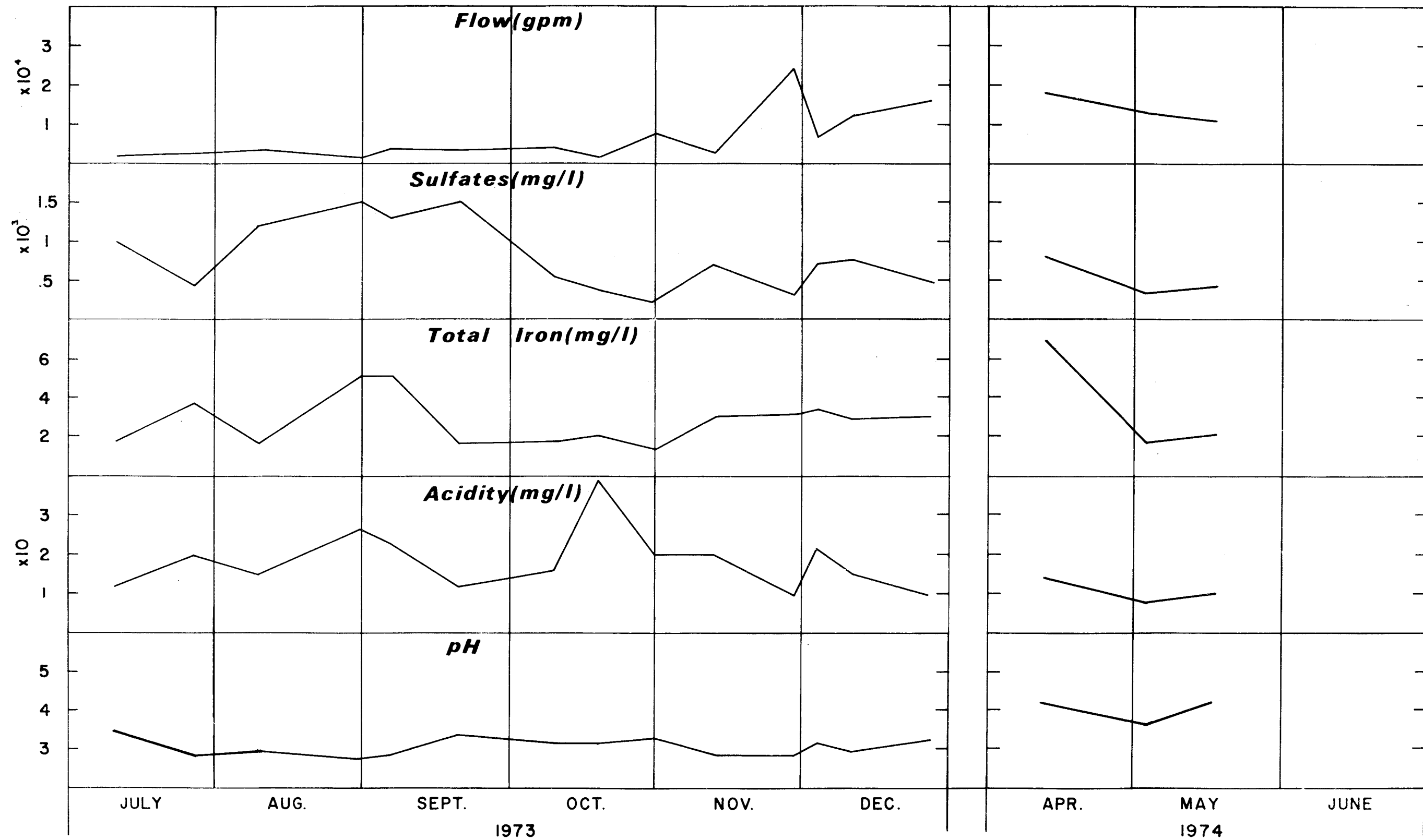
WATER QUALITY DATA
 BENNETT BRANCH
 AT
 KERSEY RUN
 SAMPLING STATION BB-95



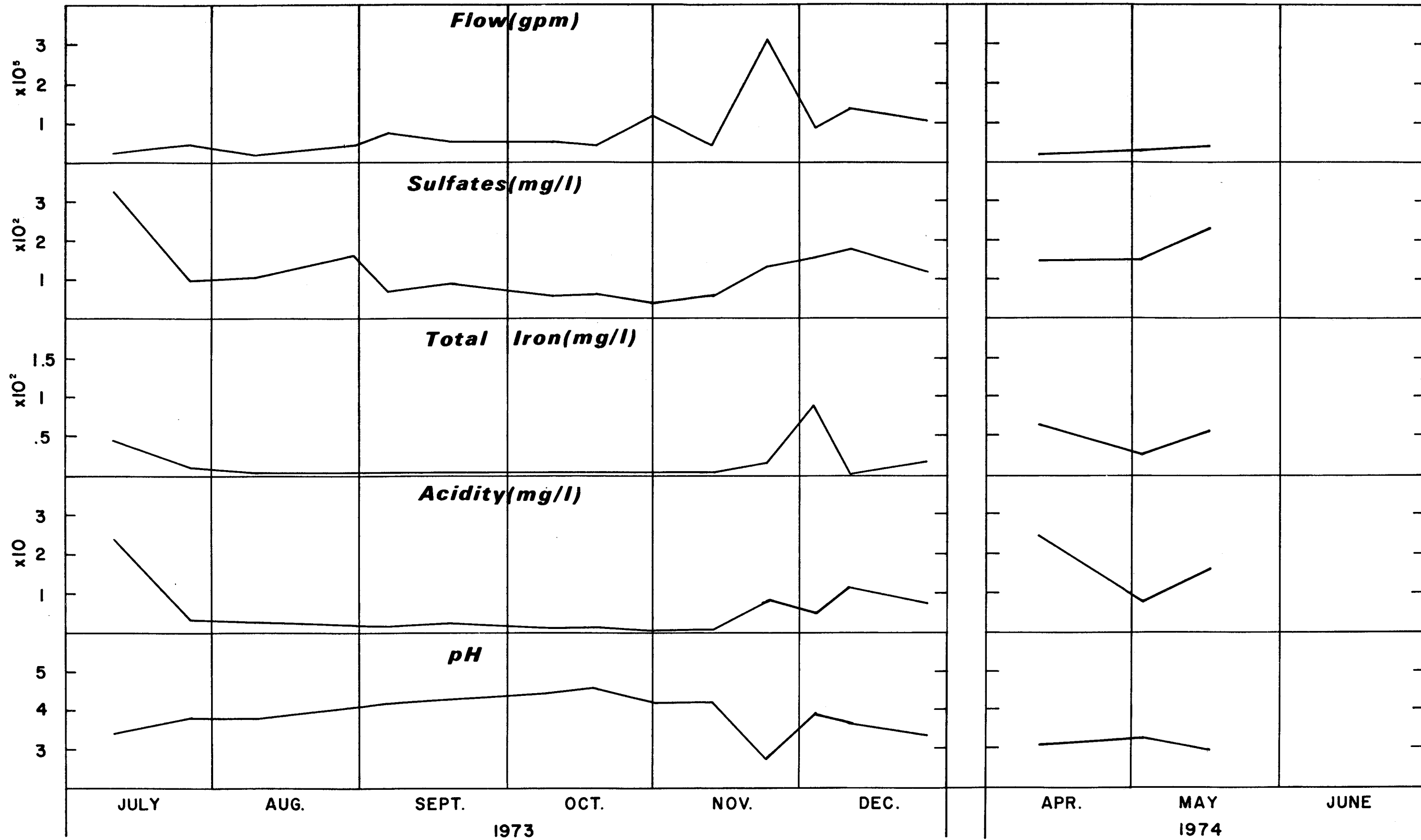
WATER QUALITY DATA
 BENNETT BRANCH
 AT
 DIXON RUN
 SAMPLING STATION BB-113



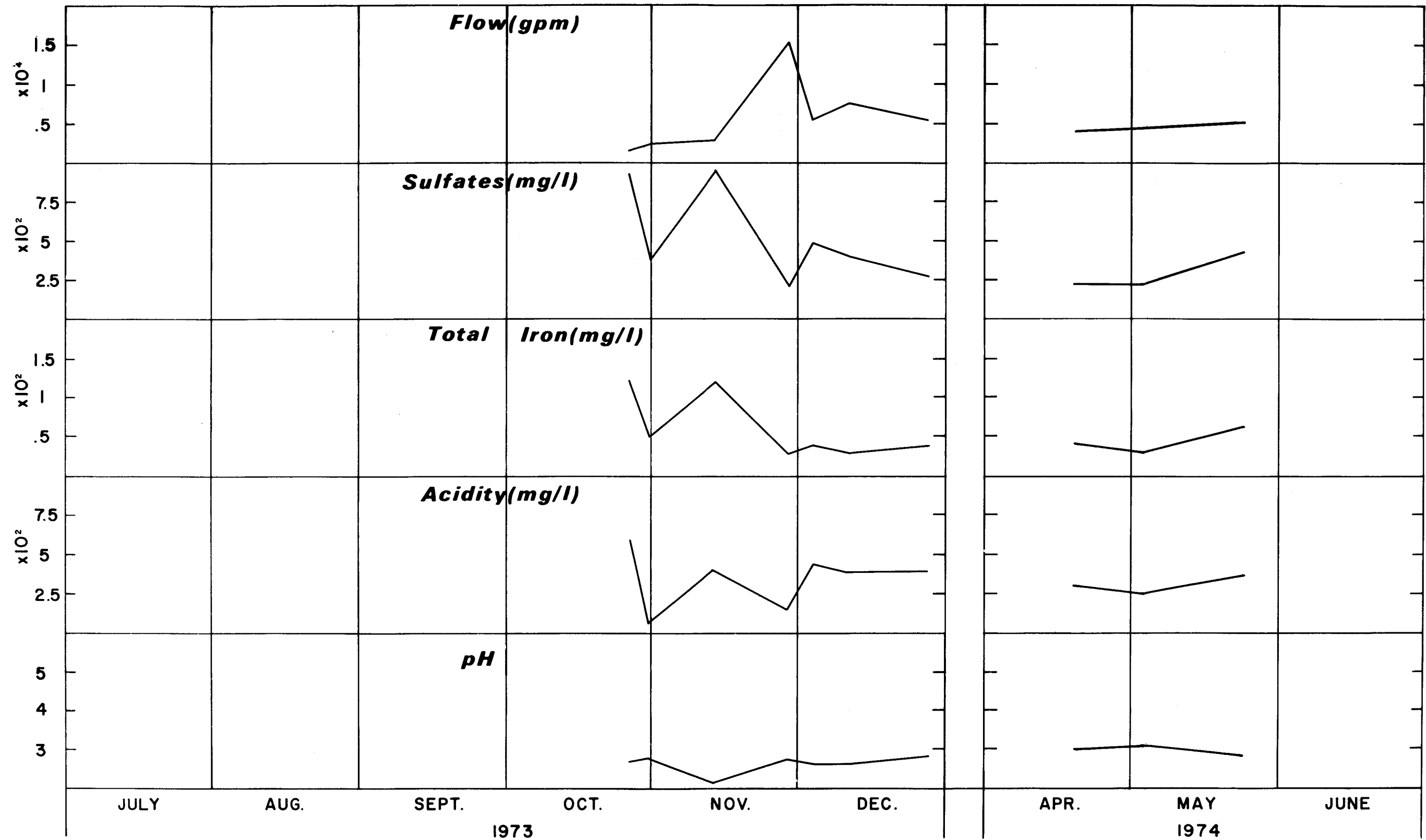
WATER QUALITY DATA
 BENNETT BRANCH
 AT
 MT. PLEASANT CHURCH RUN
 SAMPLING STATION BB-136



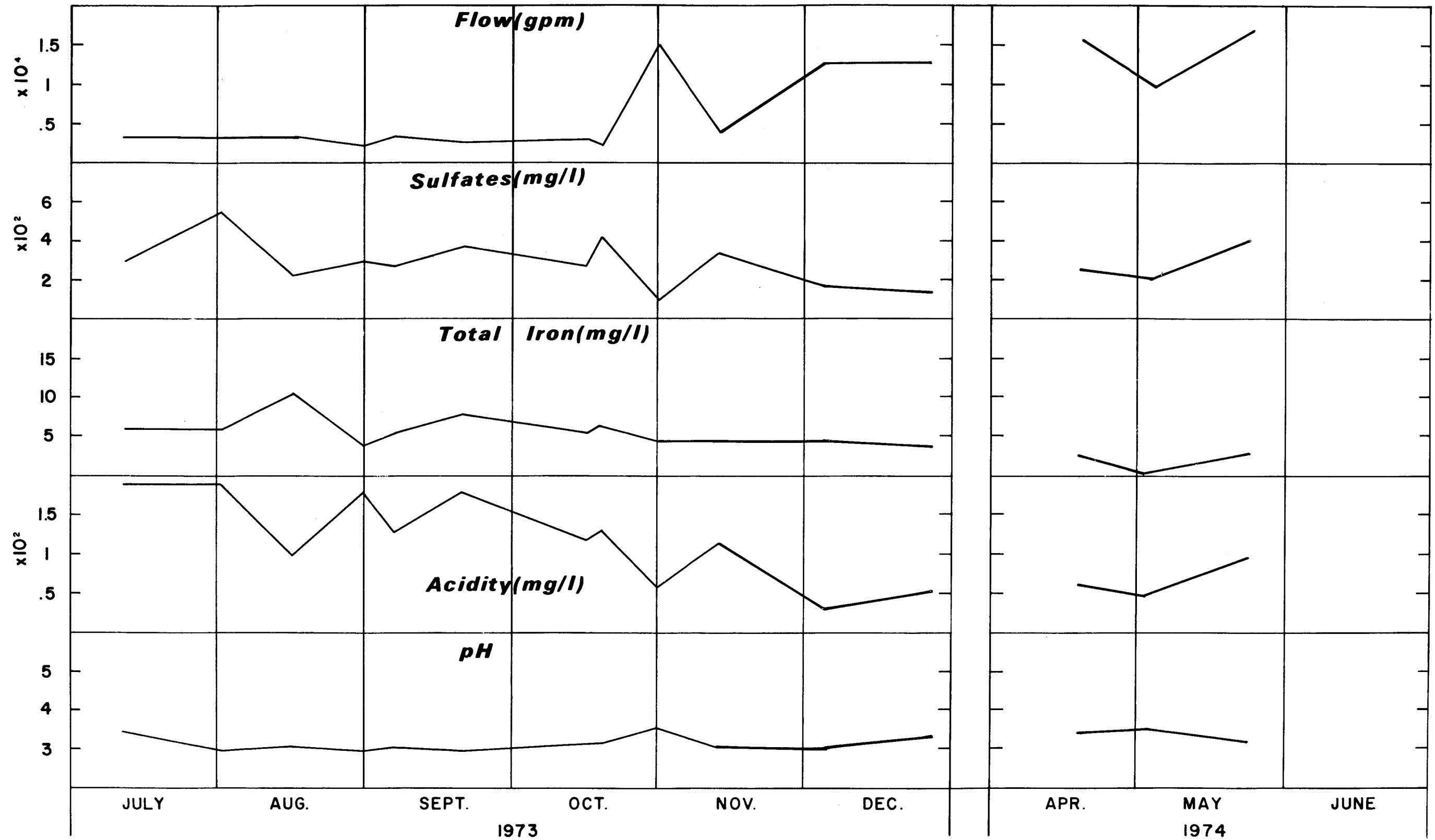
WATER QUALITY DATA
 MOOSE RUN
 SAMPLING STATION MO-2



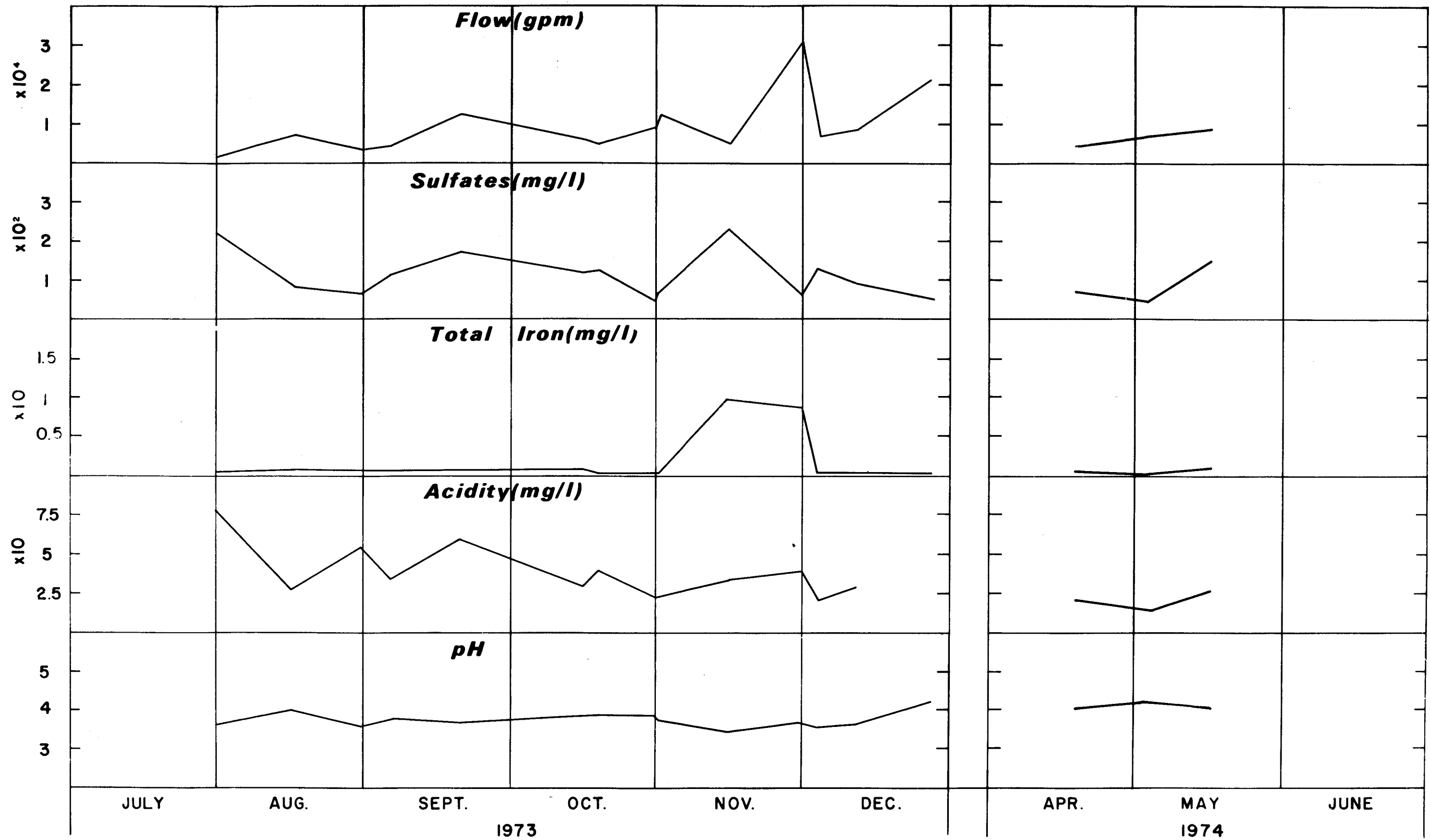
WATER QUALITY DATA
MILL RUN
SAMPLING STATION M-12



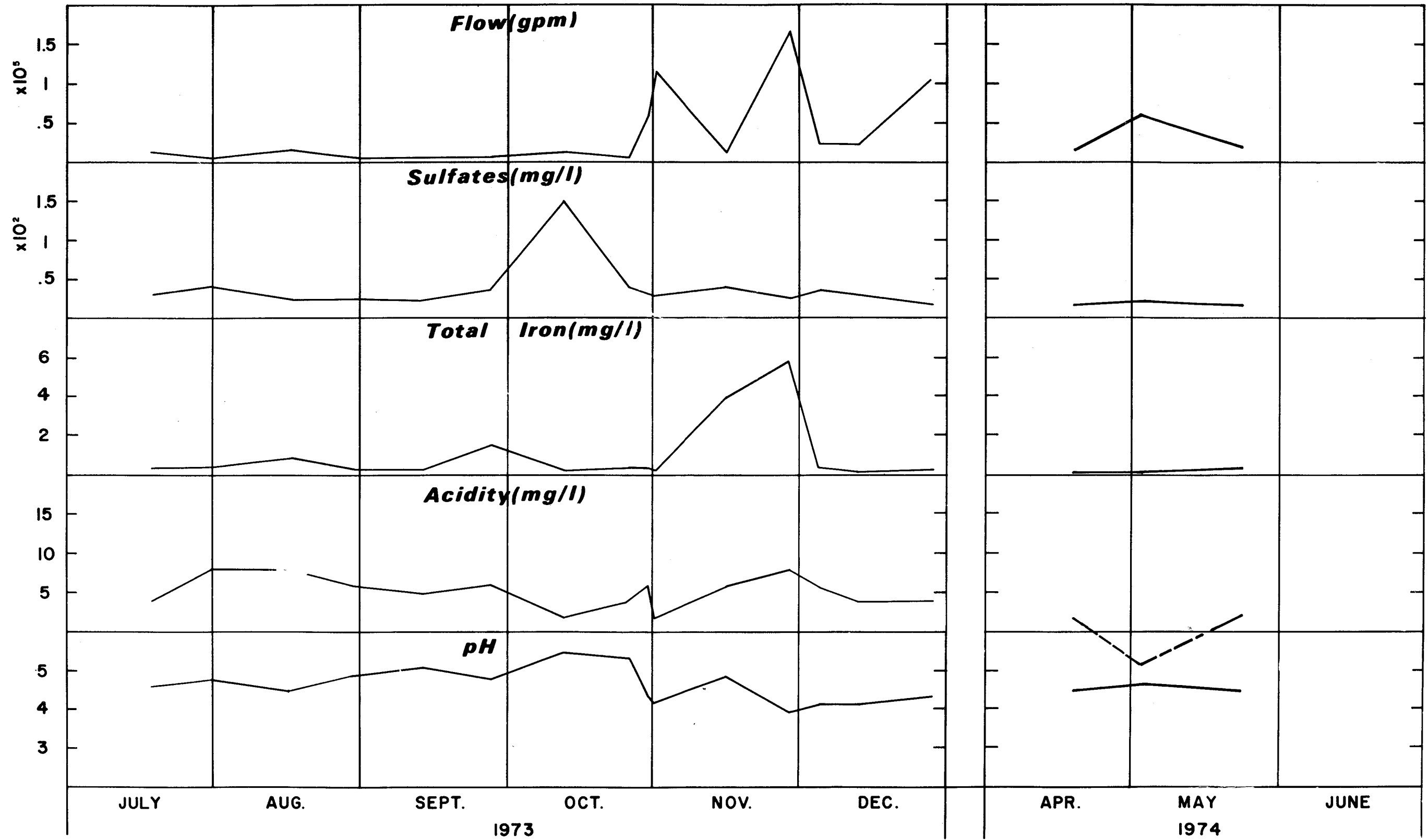
WATER QUALITY DATA
 TYLER RUN
 SAMPLING STATION T-23



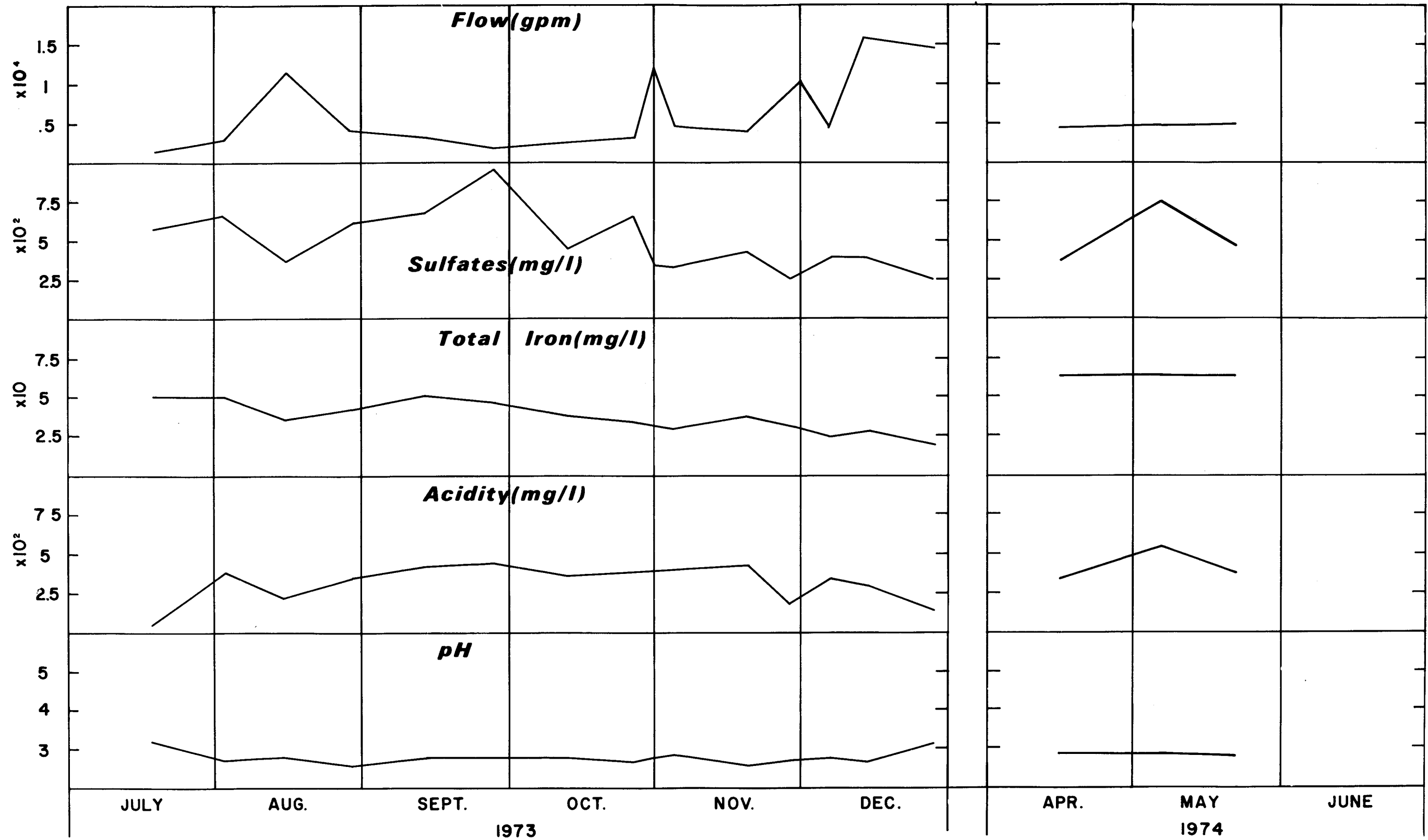
WATER QUALITY DATA
 TYLER
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 SAMPLING STATION TR-36



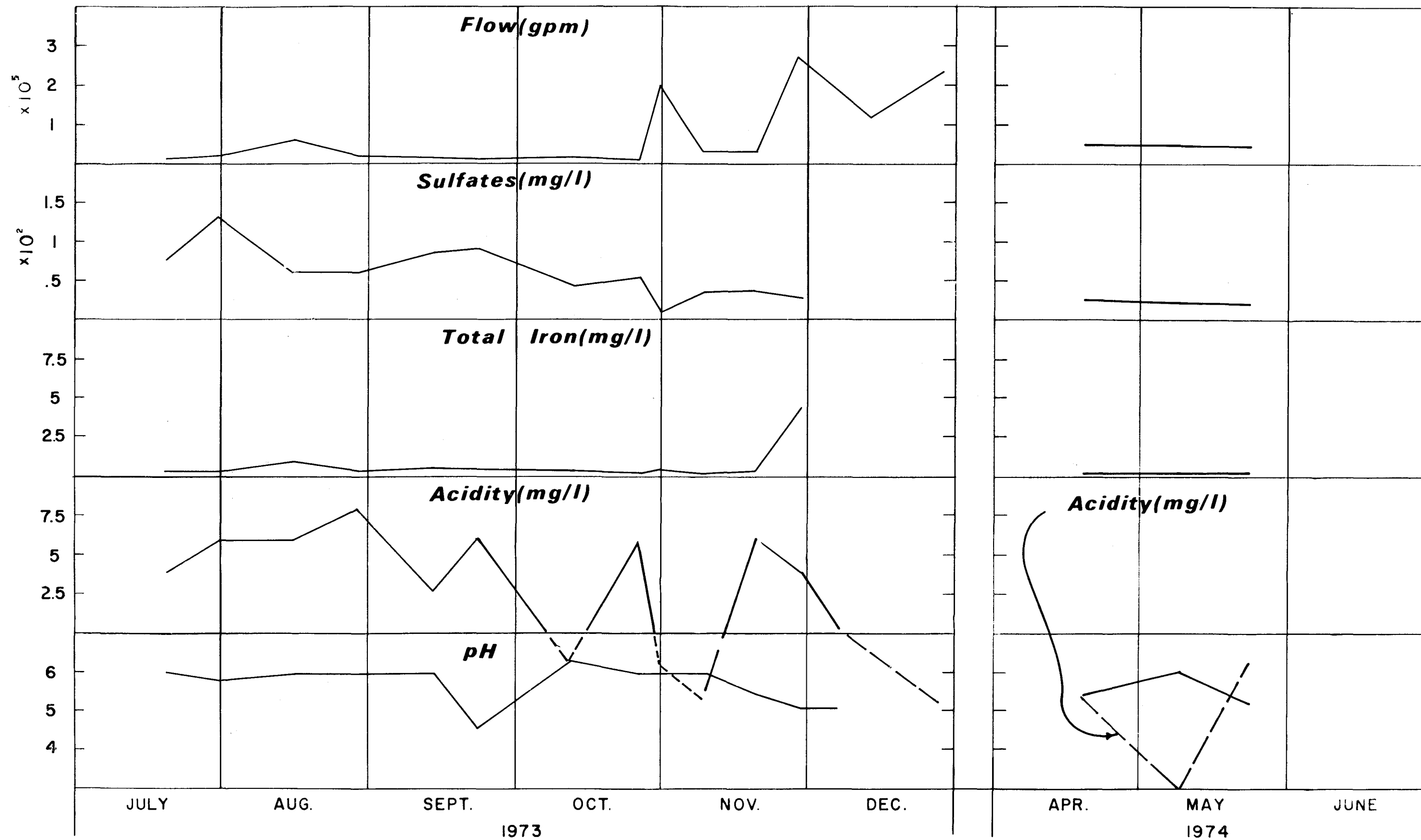
WATER QUALITY DATA
 CHERRY RUN
 SAMPLING STATION C-55



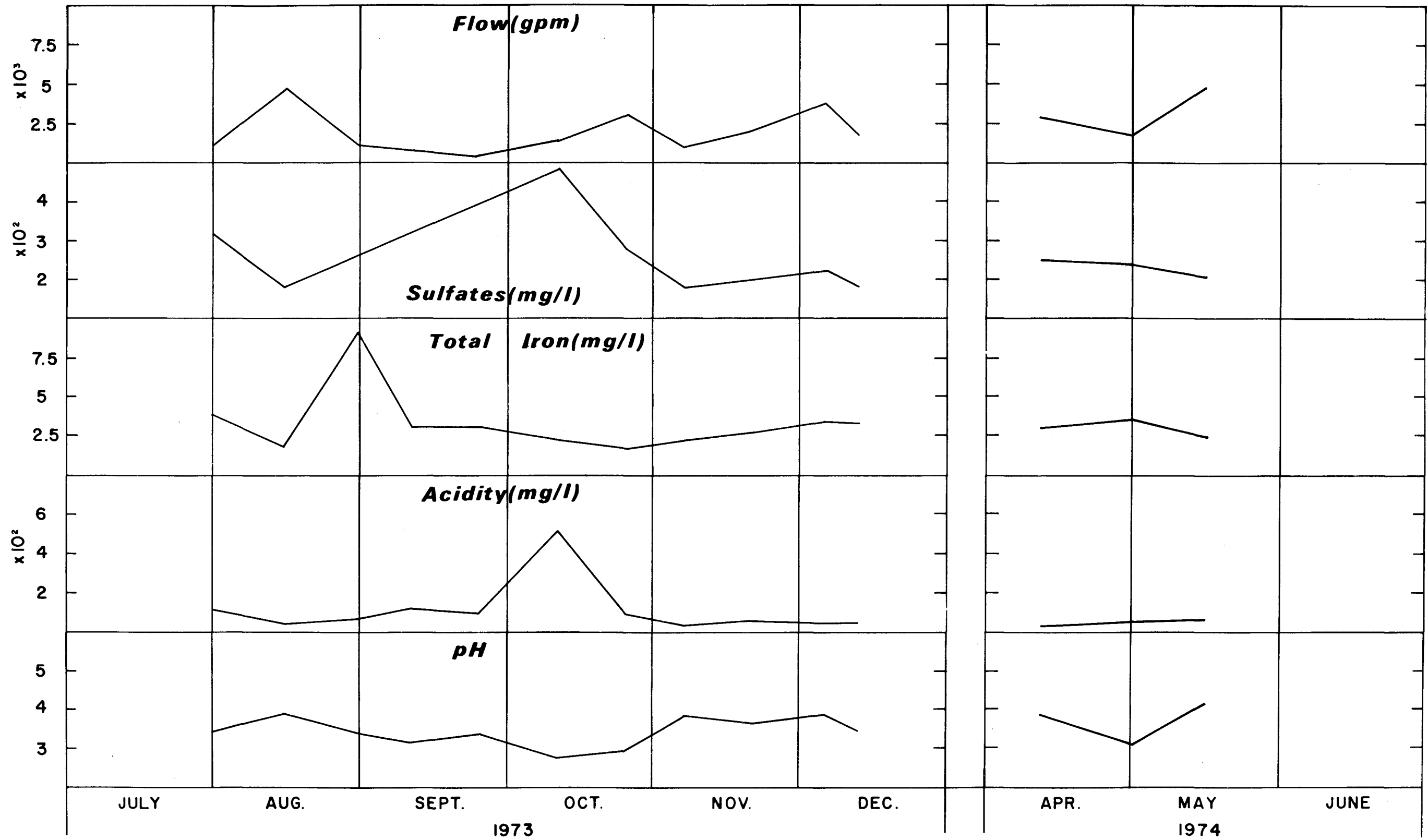
WATER QUALITY DATA
 KERSEY RUN
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WATER QUALITY DATA
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Station Number B01		Stream - Gauge														
Bennett Branch above Moose Run																
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate					
					Ferrous	Total										
7/10/73	12,700	7.0	0	12	0.5	0.8	34		1,832	1,221	5,190					
7/26/73	14,200	6.7	0	18	0.5	1.0	34		3,072	171	5,803					
8/09/73	5,700	6.7	0	40	0.6	2.0	96		2,741	137	6,577					
8/29/73	11,200	6.9	0	18	0.5	0.9	48		2,423	121	6,462					
9/06/73	13,700	6.9	0	25	0.5	2.2	50		4,117	362	8,234					
9/20/73	5,100	6.6	0	26	0.5	0.7	79		1,594	43	3,843					
10/09/73	20,600	6.3	2	12	0.0	0.8	65	496	2,978	198	16,095					
10/18/73	17,000	6.8	2	22	0.5	1.0	54	410	4,507	206	11,099					
10/30/73	96,800	6.0	6	12	0.0	0.7	11	6,999	13,997	814	12,799					
11/12/73	19,300	6.2	4	12	0.0	0.4	56	930	2,791	93	12,991					
11/28/73	166,000	5.3	4	12	0.0	0.7	30	20,003	48,007	1,397	59,860					
12/03/73	60,000	6.2	10	24	0.0	0.7	40	2,892	8,676	505	28,848					
12/10/73	56,200	6.1	8	22	0.0	0.7	30	5,418	14,899	473	20,266					
12/26/73	64,300	5.7	2	24	0.0	0.7	40	1,550	18,596	541	30,915					
4/11/74	40,230	5.8	2	20	0.0	0.5	45	970	9,695	242	21,815					
5/02/74	55,932	5.8	4	30	0.0	0.4	50	2,696	20,219	270	33,699					
5/16/74	31,946	6.2	10	24	0.0	0.4	175	3,849	9,239	154	67,366					
Average	40,776							2,991	10,194	356	22,318					

Station Number M02		Stream - Gauge														
Moose Run at Bennett Branch																
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate					
					Ferrous	Total										
7/10/73	870	3.5	120	None	2	18	990		1,258	188	10,378					
7/26/73	306	2.9	200		22	38	420	737		140	1,548					
8/09/73	282	3.0	150		7	17	1,200	510		58	4,078					
8/30/73	1,466	2.8	270		12	52	1,300	4,769		918	26,497					
9/06/73	544	2.9	230		34	52	1,300	1,507		340	8,522					
9/20/73	430	3.4	120		10	17	1,500	622		88	7,772					
10/09/73	1,547	3.2	160		17	18	550	2,982		336	10,252					
10/18/73	658	3.2	400		4	19	374	3,171		150	2,965					
10/30/73	6,809	3.3	20		8	14	224	1,641		1,149	18,378					
11/12/73	592	2.9	200		33	51	700	1,427		364	4,993					
11/28/73	8,324	2.9	94		7	32	305	9,428		3,209	30,592					
12/03/73	3,087	3.2	220		27	35	650	8,183		1,301	24,178					
12/10/73	12,032	3.0	162		4	30	700	23,487		4,349	101,489					
12/26/73	7,944	3.3	96		0	31	470	9,190		2,967	44,990					
4/11/74	1,450	3.1	140		30	70	800	2,446		1,223	13,978					
5/02/74	6,188	3.2	80		2	17	350	5,965		1,267	26,097					
5/16/74	5,801	3.2	100		12	22	425	6,990		1,537	29,708					
Average	3,649							4,168		1,154	21,054					

Station Number M03		Mine - V-Weir														
Penfield Coal & Coke #3 Mine																
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate					
					Ferrous	Total										
7/9/73	56	7.1	0	30	1.1	3.0	29		0	20	2	20				
7/23/73	21	7.0	0	26	0.5	1.2	38		0	7	T	10				
8/06/73	26	6.9	0	30	0.6	1.2	48		0	9	T	15				
8/29/73	23	6.6	0	32	0.5	0.6	72		0	9	T	20				
9/04/73	19	6.9	0	32	0.5	0.5	34		0	7	T	8				
9/17/73	18	7.1	0	31	0.5	0.6	43		0	7	T	9				
Average	22									0	8	T	14			

Station Number M04		Mine - V-Weir														
Penfield Coal & Coke #3 Mine																
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate					
					Ferrous	Total										
7/09/73	36	3.8	84	None	1.1	1.7	180	36		1	78					
7/23/73	56	3.5	60		0.7	1.4	180	40		1	121					
8/06/73	10	3.3	110		0.8	1.3	290	13		T	35					
8/20/73	21	3.5	80		0.5	1.0	210	20		T	53					
9/04/73	10	3.4	120		0.5	0.7	280	14		T	34					
9/17/73	12	3.5	130		0.5	0.9	330	19		T	48					
10/03/73	36	3.4	66		0	0	265	29		T	115					
10/15/73	56	3.4	68		0	1.0	231	46		1	155					
10/31/73	47	3.7	4		0	1.3	116	2		1	66					
11/12/73	21	3.2	86		0	2.7	246	22		1	62					
12/03/73	210	3.8	48		0	1.8	140	121		5	353					
12/10/73	433	3.7	40		0	1.5	140	208		8	729					
4/08/74	289	4.2	12		0	1.3	55	42		5	192					
4/29/74	56	3.7	30		0	1.1	150	20		1	101					
5/14/74	150	4.2	14		0	1.5	68	25		3	123					
Average	77							40		1	136					

Station Number M05		Stream - V-Weir														
Tributary Adjacent to Scott No.1 Mine																
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate					
					Ferrous	Total										
7/09/73	21	4.0	130	None	1.7	2.5	270	33		1	68					
7/23/73	26	3.6	52		2.0	3.3	210	16		1	66					
8/06/73	10	3.6	90		3.6	5.7	540	11		1	65					
8/20/73	18	3.6	54		2.3	3.7	300	12		1	65					
9/04/73	12	3.6	86		2.1	3.4	460	12		1	66					
9/17/73	10	3.7	80		2.5	5.0	640	10		1	77					
10/03/73	29	3.4	54		0	6.2	265	19		2	92					
10/15/73	36	3.4	30		0	4.5	275	13		2	119					
10/31/73	265	3.6	40		0	2.1	149	127		7	475					
11/12/73	47	3.8	24		4.5	7.4	176	14		4	99					
12/03/73	122	4.2	20		0	2.7	60	29		4	88					
12/10/73	199	4.0	24		0	4.0	75	57		10	179					
4/08/74	130	3.9	20		1.1	3.2	70	31		5	110					
4/29/74	36	3.8	16		3.4	5.5	130	69		2	56					
5/14/74	199	4.5	2		0	2.0	46	48		5	110					
Average	76							25		3	117					

Station Number M06		Mine - V-Weir														
Scott #1 Active Mine - After creacing and settlement operations																
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate					
					Ferrous	Total										
7/09/73	36	5.6	6	0	0.5	0.8	1,800	3	0	T	779					
7/23/73	56	5.6	10	0	0.3	0.7	1,800	7	0	1	1,212					
8/06/73	181	4.8	12	0	0.6	1.0	1,800	26	0	2	3,916					
8/20/73	47	6.4	0	0	0.5	0.5	1,900	0	0	T	1,073					
9/04/73	26	8.0	0	18	0.4	0.4	2,100	0	6	T	656					
9/17/73	23	6.7	3	0	0.5	0.6	2,300	1	0	T	636					
10/03/73	77	4.8	6	6	0	0.4	1,750	6	6	T	1,620					
10/15/73	36	7.1	0	14	0	0.4	1,224	0	6	T	530					
10/31/73	7	6.1	10	8	0	1.5	1,751	T	0	T	2					
11/12/73	95	8.4	0	200	0	0.6	376	0	229	1	429					
12/03/73	231	8.5	0	38	0	0.6	1,800	0	106	2	4,998					
12/10/73	199	6.0	10	6	0	0.7	1,150	24	14	2	2,751					
4/08/74	413	7.5	0	40	0	0.7	1,225	0	199	3	6,096					
4/29/74	23	6.1	2	28	0	0.6	248	1	8	T	69					
5/14/74	153	6.2	2	30	0	0.6	246	4	55	1	454					
Average	88							4	34	1	1,467					

Station Number		Stream - Gauge									
M12 Mill Run at Bennett Branch											
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/10/73	2,200	3.4	240	None	22	45	320	6,347	1,190	8,462	
7/26/73	3,870	3.8	32		1.4	12	96	1,489	558	4,466	
8/09/73	1,340	3.8	26		0.7	2.0	100	419	32	1,611	
8/30/73	3,700	4.1	18		0.5	0.5	160	801	22	7,116	
9/06/73	7,000	4.2	16		0.5	0.6	67	1,346	50	5,637	
9/20/73	4,600	4.3	26		0.5	1.0	89	1,438	55	4,921	
10/09/73	4,900	4.5	12		0	0.2	55	707	12	3,239	
10/18/73	3,950	4.6	12		0	0.3	61	570	14	2,896	
10/30/73	11,600	4.2	1		0	0.4	57	139	56	19,381	
11/12/73	4,100	4.2	4		0	0.1	56	197	5	2,760	
11/28/73	30,532	2.8	80		27	33	130	29,359	12,111	47,709	
12/03/73	18,050	3.9	48		75	90	114	10,440	19,575	24,795	
12/10/73	13,400	3.7	114		2.2	5.5	175	18,362	886	28,187	
12/26/73	10,400	3.4	74		17	35	115	9,251	4,375	14,376	
4/11/74	1,078	3.0	240		55	70	150	3,118	902	1,948	
5/02/74	2,050	3.2	80		0	27	150	1,076	660	3,705	
5/16/74	3,000	3.0	160		41	52	225	5,784	1,880	8,134	
Average	7,699							5,036		1,841	10,999

Station Number		Mine - V-Weir									
M15 Proctor #2 at Borehole Water Course											
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate
12/03/73	1,800	2.8	2,100	None	291	662	1,900	45,436	14,323	41,108	
12/10/73	1,000	2.6	2,900		56	590	1,575	30,050	7,092	18,932	
12/26/73	1,500	2.9	1,900		133	474	1,325	34,257	8,546	23,890	
4/10/74	462	2.7	1,400		286	440	1,875	7,794	2,450	10,438	
4/29/74	476	2.7	1,360		121	426	1,375	7,801	2,443	7,887	
5/13/74	753	2.6	1,600		0	425	1,350	14,518	3,856	12,249	
Average	263							5,787		1,510	4,417

NOTE: Station M15 did not flow for 135 days

Station Number		Refuse - Grab									
M18 Refuse Proctor #2, No.7 Drift											
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/23/73	1	2.6	880	0	7	41	1,300	11	0	1	16
7/30/73	2	2.7	1,100	0	0.9	44	1,700	27	0	1	41
8/13/73	1	2.8	1,200	0	14	46	1,900	14	0	1	23
8/27/73	1	2.6	1,300	0	8	46	1,800	16	0	1	22
9/10/73	1	2.8	1,500	0	10	52	2,100	18	0	1	25
9/24/73	2	2.7	1,000	0	5.8	45	1,600	24	0	1	38
10/09/73	2	2.9	1,140	0	12	26	1,075	27	0	1	26
10/22/73	2	2.8	1,200	0	6	42	1,026	29	0	1	25
10/31/73	10	2.7	100	0	0	30	926	12	0	4	111
11/12/73	10	2.7	700	0	6	38	700	84	0	5	84
12/03/73	150	3.5	170	0	0	0.5	220	307	0	1	397
12/10/73	100	3.6	82	0	0	2.9	145	99	0	4	174
4/10/74	5	3.1	266	0	0	6.9	355	16	0	T	21
4/19/74	20	5.8	4	20	0	0.4	44	1	5	T	11
5/14/74	10	2.9	230	0	0	4.4	175	28	0	1	21
Average	27							61	1	1	83

Station Number		Mine - V-Weir									
M13 Proctor #2 Mine, No.7 Drift											
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/23/73	1	2.7	180	None	11	24	260	2	T	3	
7/30/73	5	2.7	380		8.5	38	590	23	T	36	
8/13/73	.5	2.7	400		2.4	36	600	4	T	6	
8/27/73	2	2.6	420		15	35	610	10	T	15	
9/10/73	1	2.7	480		9	43	690	6	T	8	
9/24/73	1	2.7	380		9	35	780	5	T	9	
10/09/73	20	2.8	306		5	25	405	73	T	97	
10/22/73	1	2.9	300		0	1.4	151	4	T	2	
10/31/73	10	3.2	66		0	0.4	71	8	T	9	
11/12/73	10	3.0	52		0	5.6	91	7	T	11	
12/03/73	21	3.0	280		0	18	295	71	T	75	
12/10/73	21	2.8	520		8	42	325	131	T	82	
4/10/74	10	3.0	140		0	15	200	17	T	24	
4/29/74	10	3.2	80		2.2	5.3	150	7	T	18	
5/14/74	10	2.8	170		5.6	15	150	20	T	18	
Average	9							26		2	30

Station Number		Stream - V-Weir									
M16 Mill Run at East Fork											
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/30/73	115	4.9	6	0	0.5	0.6	3.4	8	0	1	5
8/13/73	83	4.8	4	0	0.2	0.2	14	4	0	T	14
8/27/73	328	4.7	5	0	0.1	0.1	14	20	0	T	55
9/10/73	145	5.2	5	0	0.1	0.1	17	9	0	T	30
9/24/73	88	4.9	8	0	0.5	0.5	36	8	0	1	38
10/09/73	547	3.9	30	0	0	0.6	95	198	0	4	625
10/22/73	265	5.3	4	2	0	0	29	13	6	T	92
10/31/73	861	4.2	6	0	0	0	10	62	0	T	103
11/12/73	369	4.3	2	0	0	0.1	41	9	0	T	182
12/03/73	1,300	4.6	12	2	0	0.2	40	188	31	3	625
12/10/73	723	4.4	8	2	0	0	30	70	17	T	261
4/10/74	642	4.7	2	4	0	0	30	15	31	T	232
4/29/74	300	4.6	2	2	0	0.1	17	7	7	T	61
Average	467							57	7	1	209

Station Number		Stream - Gauge									
M17 Bennett Branch Below Mill Run											
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/26/73	17,200	6.6	0	8	0.5	1.4	80	0	1,658	289	16,540
8/16/73	31,000	6.5	0	0	0.5	1.9	38	0	0	707	14,160
8/29/73	13,000	6.2	0	0	0.6	0.8	190	0	0	125	29,689
9/10/73	15,700	6.2	10	0	0.5	0.9	280	1,892	0	170	52,840
9/27/73	5,900	6.3	4	8	0	0.6	180	284	569	43	12,765
10/15/73	26,700	6.2	6	8	0	2.0	79	1,930	2,574	642	25,354
10/25/73	13,700	6.1	6	14	0	0	63	991	2,311	0	10,374
10/30/73	112,400	6.1	6	8	0	1.3	34	8,127	10,835	1,756	45,936
11/13/73	22,300	5.7	6	6	0	0.7	61	1,612	1,612	187	16,351
12/03/73	70,000	3.9	300*	0	2	10	175	8,414	8,414	147,245	
12/11/73	65,200	3.8	14	0	1	5	70	10,999	0	3,919	56,859
4/11/74	48,900	4.0	16	0	1.1	8.2	45	9,428	0	4,832	26,516
5/02/74	68,205	5.0	8	4	1.1	3.3	45	6,575	3,287	2,712	36,984
5/16/74	37,080	4.4	14	0	3.4	4.8	150	6,255	0	2,145	67,022
Average	37,387							2,795	2,553	1,946	31,998

*Disregard Reading

Station Number		Mine - V-Weir									
M14 Sarnooki Mine											
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/23/73	15	2.3	850	None	6	120	1,100	153		22	198
7/30/73	36	2.3	1,200		2	180	1,500	519		78	649
8/13/73	8	2.2	1,400		3.8	190	1,800	135		18	173
8/27/73	26	2.4	790		9.5	95	960	247		30	300
9/10/73	10	2.5	1,300		12	220	1,700	156		26	204
9/24/73	10	2.4	1,200		6.5	200	1,600	144		24	192
10/09/73	2	3.1	176		8	16	265	4		T	6
10/22/73	10	2.6	600		11	183	1,074	72		22	129
10/31/73	47	2.8	100		6.7	97	324	56		55	183
11/12/73	15	2.6	700		0	112	551	126		20	99
12/03/73	39	2.7	500		12	46	325	234		22	152
12/10/73	36	2.9	300		0	4.5	225	130		2	97
4/29/74	88	2.8	740		6.7	93	575	785		100	610
5/13/74	153	2.9	150		5	21	175	277		39	323
Average	32							172		26	195

Station Number		Stream - V-Weir									
M17 Mill Run Below East Fork											
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/30/73	130	3.8	34	0	0.5	0.8	120	53	0	1	188
8/13/73	88	4.0	26	0	0.5	0.5	72	28	0	1	76
8/27/73	445	3.9	21	0	0.5	1.0	67	112	0	5	358
9/10/73	181	4.2	22	0	0.5	0.8	77	48	0	2	168
9/24/73	108	3.8									

Station Number		Mine - V-Weir													
F22		Proctor #2 Mine, No.1 Drift													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate				
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/23/73	10	2.5	710	None	20.5	220	1,200	85			26	144			
7/30/73	10	2.7	780		120	260	1,100	94			31	132			
8/16/73	5	2.6	1,000		120	310	1,500	60			19	90			
8/30/73	10	2.5	780		29	240	1,200	94			29	144			
9/13/73	10	2.6	800		95	240	1,200	96			29	144			
9/27/73	10	2.1	820		100	357	1,500	99			43	180			
10/15/73	10	2.7	720		100	235	775	87			28	93			
10/25/73	10	2.7	1,400		80	199	1,074	168			24	129			
10/31/73	1	2.6	200		143	237	1,301	2			3	16			
11/13/73	15	2.9	800		162	285	1,075	144			51	194			
12/03/73	15	2.8	300		28	51	1,050	54			9	189			
12/11/73	15	2.6	900		0	87	700	162			16	126			
12/26/73	15	2.7	400		0	330	1,075	72			59	194			
4/09/74	5	2.8	460		76	135	525	28			8	32			
5/02/74	15	2.9	470		2.2	113	575	85			20	104			
Average	12							91			28	138			

Station Number		Mine - 2-Ft. Weir													
F22A		Proctor #2 at Treatment Plant Pumping Station													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate				
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate	
10/15/73	309	2.7	1,200	None	73	244	1,275	4,526			905	4,730			
10/24/73	359	2.6	1,000		237	447	851	4,315			1,929	3,672			
10/31/73	209	2.6	220		203	329	1,550	553			827	3,894			
11/13/73	177	2.9	800		220	430	1,700	1,702			915	3,617			
12/03/73	333	2.8	280		12	45	1,100	1,121			180	4,403			
11/11/73	467	2.6	1,280		0	78	1,250	7,185			438	7,017			
12/26/73	310	2.8	700		0	237	1,100	2,608			883	4,099			
4/09/74	209	2.7	620		78	116	600	1,561			292	1,511			
4/29/74	372	2.8	700		24	122	800	3,138			547	3,586			
5/14/74	296	2.6	820		0	126	675	2,925			449	2,408			
Average	315							2,717			682	3,922			

Station Number		Stream - Gauge													
T23		Tyler Run at Bennett Branch													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate				
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate	
10/25/73	1,050	2.7	600	None	85	123	923	7,573			1,552	11,649			
10/30/73	2,520	2.8	60		27	47	374	1,817			1,424	11,329			
11/13/73	2,700	2.2	400		67	118	949	12,982			3,830	30,799			
11/28/73	15,086	2.8	148		7.8	29	220	26,904			5,331	39,993			
12/03/73	5,600	2.7	440		0	37	495	29,691			2,491	33,403			
12/11/73	7,600	2.7	400		0	29	400	36,541			2,649	36,541			
12/26/73	5,600	2.9	400		0	39	275	26,925			2,625	18,511			
4/18/74	3,646	3.0	220		18	38	150	9,666			1,665	6,590			
5/02/74	4,050	3.1	190		13	29	150	9,272			1,415	7,320			
5/23/74	4,680	2.8	380		19	60	400	21,430			3,384	22,558			
Average	6,153							Acid adjusted in text to 10,440 lbs/day			20,567	3,109	24,436		

Station Number		Stream - V-Weir													
T24		Tyler Run at Commonwealth Experimental Treatment Facility													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate				
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/09/73	115	3.8	70	None	0.8	1.2	180	97			2	249			
7/23/73	115	3.4	100		0.6	1.6	200	138			2	276			
8/06/73	29	3.2	140		1.2	2.2	310	49			1	108			
8/23/73	834	3.5	55		0.7	1.3	180	551			13	1,804			
9/05/73	262	3.6	98		0.7	1.2	200	309			4	630			
9/17/73	206	3.6	130		0.5	1.1	280	322			3	693			
10/03/73	430	3.4	102		0	1.4	240	527			7	1,240			
10/15/73	386	3.8	68		0	0.9	169	316			4	784			
10/31/73	1,762	4.0	44		0	0.8	106	932			17	2,245			
11/12/73	622	3.5	68		0	1.7	215	508			13	1,607			
12/03/73	1,244	3.5	84		0	2.8	225	1,246			42	3,364			
12/10/73	1,465	3.2	50		0	1.4	95	880			25	1,673			
12/26/73	1,432	3.6	40		0	1.5	80	689			26	1,377			
4/10/74	700	3.5	50		0	2.2	90	422			19	759			
5/01/74	1,213	3.8	24		0	0.8	150	351			12	2,192			
5/14/74	1,004	3.6	36		0	1.6	100	436			19	1,210			
Average	757							524			13	1,480			

Station Number		Stream - V-Weir													
T26		Proctors #1 and #2 Refuse Along Cropline at Stream Crossing, Tyler Run													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate				
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/09/73	56	3.2	240	None	0.6	4.1	400	162			3	269			
7/23/73	52	2.7	250		0.4	4.3	430	156			3	269			
8/06/73	26	2.7	250		0.8	4.3	490	78			1	153			
8/20/73	289	2.8	210		0.5	5.5	370	729			19	1,285			
9/04/73	47	2.7	280		0.7	3.8	460	158			2	260			
9/17/73	29	2.9	290		0.5	4.4	570	101			2	199			
10/03/73	83	3.3	244		0	4.5	475	243			5	474			
10/15/73	115	3.1	218		0	5.0	274	301			7	378			
10/31/73	265	3.0	230		0	5.8	396	733			19	1,263			
11/12/73	115	2.9	400		0	8.4	476	553			12	763			
12/03/73	341	2.9	300		0	11	356	1,230			43	1,459			
12/10/73	278	3.0	254		0	7.6	310	849			25	1,035			
4/09/74	500	3.1	160		0	11	150	964			65	904			
4/29/74	100	3.0	200		0	5.3	275	241			6	331			
5/14/74	494	3.1	128		3.4	5.9	200	762			35	1,191			
Average	176							483			15	709			

Station Number		Stream - V-Weir													
T27		Tyler Run Above Cropline													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate				
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/09/73	56	3.1	290	None	3.4	15	520	195			10	350			
7/23/73	56	2.7	330		0.6	17	510	222			11	343			
8/06/73	29	2.6	360		3	18	600	125			6	209			
8/20/73	171	2.8	240		0.6	11	410	493			23	843			
9/04/73	66	2.7	330		1.4	17	570	262			14	452			
9/17/73	12	3.0	320		0.9	16	610	46			2	88			
10/03/73	77	3.3	246		0	14	415	228			13	384			
10/15/73	95	2.6	60		0	32	591	69			36	675			
10/31/73	199	2.8	8		0	15	435	19			36	1,041			
11/12/73	108	2.6	300		0	21	376	389			27	488			
12/03/73	231	3.1	380		0	22	300	1,055			61	833			
12/10/73	199	3.0	244		0	15	335	584			36	801			
4/10/74	220	3.0	180		0	13	150	447			33	398			
4/29/74	101	3.9	240		0	11	150	292			13	183			
5/14/74	462	3.0	160		1.1	7	225	891			41	1,250			
Average	141							377			25	581			

Station Number		Mine - Crab													
T28		Proctor #1 Mine, No.4 Drift													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate				
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/10/73	15	3.8	89	None	0.8	1.2	160	16			T	29			
7/23/73	2	3.4	140		0.4	1.0	290	3			T	7			
8/06/73	1	3.4	150		0.5	1.9	380	2			T	5			
8/20/73	30	3.4	120		0.5	1.8	360	43			T	130			
9/04/73	2	3.4	140		0.8	1.5	300	3			T	7			
9/17/73	No Flow														
10/03/73	1	3.6	136		0	2.0	335	2			T	4			
10/15/73	2	3.6	94		0	0.9	251	2			T	6			

Station Number		Mine - V-Weir															
Proctor #1, No.3 Drift																	
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate						
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/09/73	83	3.3	280	None	23	55	500	279			55	499					
7/23/73	56	2.8	320		43	61	550	215			41	370					
8/07/73	56	2.8	380		47	70	610	256			47	411					
Average	57							238			44	395					

Station Number		Mine - V-Weir															
Proctor #1 Water Course																	
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate						
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/09/73	314	3.2	350	None	8.5	85	610	1,321			321	2,302					
7/23/73	253	2.8	390		14	90	640	1,186			274	1,946					
8/07/73	199	3.0	400		74	91	640	957			218	1,531					
8/22/73	220	2.8	410		0	32	640	1,084			85	1,692					
9/05/73	301	3.2	380		78	95	620	1,375			344	2,243					
9/18/73	231	3.4	350		68	91	700	972			253	1,944					
10/03/73	231	3.2	400		67	100	675	1,111			278	1,874					
10/16/73	253	3.1	300		56	67	624	913			204	1,898					
10/31/73	253	2.8	100		68	76	826	304			231	2,512					
11/13/73	413	3.2	500		79	82	974	2,482			405	4,835					
12/03/73	642	3.1	400		10	50	1,775	3,087			387	13,697					
12/11/73	624	2.6	500		0	45	825	3,750			338	6,188					
12/26/73	444	3.0	400		0	74	475	2,135			395	2,535					
4/09/74	664	2.8	440		73	96	475	3,521			768	3,801					
4/29/74	462	2.9	400		66	81	525	2,227			451	2,923					
5/14/74	462	2.8	420		0	18	425	2,338			98	2,366					
Average	361							1,704			290	3,608					

Station Number		Mine - 2-Ft. Weir															
Proctor #1 at Commonwealth Experimental Treatment Facility																	
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate						
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
9/03/73	400	3.2	100	None	66	81	580	480			389	2,787					
9/18/73	386	3.4	400		67	85	720	1,856			394	3,341					
10/03/73	343	3.3	328		67	79	675	1,352			324	2,783					
10/16/73	364	2.9	278		56	60	398	1,216			261	1,741					
10/31/73	622	3.0	20		26	39	224	150			292	1,675					
11/13/73	500	3.2	500		70	75	576	3,005			451	3,462					
12/03/73	862	3.1	280		43	43	400	2,901			446	4,144					
12/11/73	918	2.8	240		0	32	300	2,648			353	3,310					
12/26/73	890	3.0	360		0	64	350	3,851			685	3,744					
4/09/74	890	2.9	400		73	96	525	4,290			1,030	5,630					
4/29/74	597	3.0	400		1.1	78	450	2,878			558	3,237					
5/14/74	1,152	2.8	400		0	10	350	5,553			142	4,859					
Average	665							2,578			405	3,285					

Station Number		Mine - Grab															
Tyler Mines Water Course																	
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate						
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
11/13/73	75	3.1	214	None	0	3.4	416	193			3	375					
12/04/73	300	2.9	182		0	2.8	290	656			10	1,046					
12/11/73	350	3.0	206		0	2.3	340	867			10	1,430					
4/09/74	200	3.2	114		0	0.8	175	274			2	422					
4/30/74	200	3.2	138		0	1.3	200	333			3	482					
5/14/74	250	3.0	160		0	1.5	150	540			5	506					
Average	261							548			7	796					

Station Number		Stream - Gauge															
Tyler Reservoir at Bennett Branch																	
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate						
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/11/73	904	3.5	190	None	0.7	6.0	290	2,065			65	3,151					
8/01/73	1,064	3.0	190		1.2	6.1	380	2,430			78	4,860					
8/16/73	3,360	3.1	100		0.6	11	220	4,039			444	8,885					
8/30/73	2,000	3.0	180		1.6	61	300	4,327			1,466	7,212					
9/06/73	3,300	3.1	130		1.0	5.6	270	5,157			222	10,710					
9/20/73	2,400	3.0	180		1.8	8.0	390	5,193			231	11,251					
10/15/73	3,100	3.2	120		2.2	5.5	269	4,471			205	10,023					
10/18/73	2,225	3.2	132		2.2	6.4	424	3,530			171	11,340					
10/30/73	14,980	3.6	60		0	4.3	151	10,804			774	27,189					
11/13/73	4,250	3.1	116		0	4.3	342	5,926			220	17,471					
12/04/73	13,000	3.1	130		0	4.7	165	20,365			734	25,783					
12/26/73	12,100	3.4	50		0	3.5	130	7,272			509	18,907					
4/18/74	16,350	3.4	66		0	2.6	225	13,003			512	44,329					
5/02/74	10,000	3.6	48		0	0.1	200	5,784			12	24,100					
5/23/74	17,030	3.2	96		0	2.7	400	19,700			554	82,085					
Average	7,512							8,333			438	21,922					

Station Number		Mine - V-Weir															
Tyler Mines Nos. 1 and 2 Drifts																	
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate						
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/09/73	56	3.3	320	None	1.1	6.9	540	215			5	363					
7/23/73	56	2.9	260		0.7	4.5	460	175			3	310					
8/07/73	20	3.0	210		0.4	1.7	450	50			1	108					
8/22/73	153	3.0	190		0	1.9	360	349			4	662					
9/04/73	56	3.0	200		0.5	2.1	420	135			1	283					
9/18/73	21	3.2	160		0.5	1.0	420	40			1	106					
10/03/73	32	3.3	136		0	0.6	390	52			1	150					
10/16/73	52	3.3	152		0	0.6	276	95			1	173					
10/31/73	56	3.0	116		0	0.4	261	78			1	176					
11/13/73	95	3.2	192		0	1.8	481	219			2	549					
12/04/73	314	2.9	254		0	5.1	385	959			19	1,453					
12/11/73	190	2.8	296		0	5.3	500	676			12	1,172					
4/08/74	462	3.0	254		0	7.8	300	1,414			43	1,670					
4/30/74	153	3.1	228		0	5.6	400	420			10	737					
5/14/74	153	2.9	260		0	6.3	300	479			12	553					
Average	106							287			5	494					

Station Number		Mine - V-Weir															
Tyler Mines No.6 Drift																	
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate						
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/09/73	153	3.5	150	None	0.5	4.8	320	276			9	588</					

Station Number		TR41		Mine - V-Weir								
Tyler Mines No. 4 Drift												
Date	Flow (gpm)	pH	Concentration (mg/l)			Source Loading (lbs/day)						
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
					Ferrous	Total						
7/09/73	21	3.8	66	None	0.5	0.6	160	17			T	60
7/23/73	15	3.3	88		0.3	0.9	200	16			T	36
8/07/73	10	3.4	86		0.4	1.5	260	10			T	31
8/22/73	115	3.4	72		0	0.5	170	100			T	235
9/04/73	21	3.4	92		0.5	0.9	180	23			T	45
9/18/73	15	3.6	90		0.5	1.1	210	16			T	38
10/03/73	10	3.4	68		0	0.6	290	8			T	35
10/16/73	23	2.9	104		0	0.7	243	29			T	67
10/31/73	61	3.0	100		0	0.6	231	73			T	169
11/13/73	36	3.2	92		0	0.3	181	40			T	78
12/04/73	56	3.3	20		0	0.4	105	13			T	71
12/11/73	29	3.4	68		0	0.3	120	24			T	42
4/08/74	83	3.5	36		0	0.2	105	36			T	105
4/30/74	36	3.6	50		0	0.3	150	22			T	65
5/14/74	115	3.5	58		0	0.1	150	80			T	208
Average	43							34			T	87

Station Number		TR42		Mine & Pond - V-Weir								
Tyler Mines No. 8 Drift												
Date	Flow (gpm)	pH	Concentration (mg/l)			Source Loading (lbs/day)						
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
					Ferrous	Total						
7/09/73	21	3.4	180	None	0.6	1.6	320	45			T	81
7/23/73	71	2.9	200		0.4	1.9	350	171			T	299
8/07/73	52	2.9	210		0.4	2.4	410	131			T	256
8/22/73	101	2.9	210		0	1.8	340	255			T	413
9/04/73	66	2.9	200		0.5	1.8	360	159			T	286
9/18/73	83	3.1	180		0.5	1.8	360	180			T	359
10/03/73	66	2.8	184		0	1.5	365	146			T	286
10/16/73	83	2.8	184		0	1.2	360	184			T	359
10/31/73	83	2.8	186		0	0.9	354	186			T	353
11/13/73	95	3.2	214		0	0.9	340	244			T	388
12/04/73	200	2.9	178		0	1.0	290	428			T	697
12/11/73	150	3.0	192		0	1.0	345	346			T	622
4/09/74	150	3.4	94		0	0.9	210	170			T	380
4/30/74	150	3.3	102		0	0.5	250	184			T	452
5/14/74	250	3.2	136		0	0.5	225	410			T	678
Average	114							232			T	420

Station Number		TR43		Mine - Grab								
Tyler Mines No. 11 Drift												
Date	Flow (gpm)	pH	Concentration (mg/l)			Source Loading (lbs/day)						
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
					Ferrous	Total						
7/11/73	90	4.7	44	0	0.4	0.4	250	48			T	271
7/24/73	54	4.2	56	0	0.3	0.3	220	36			T	143
8/07/73	27	4.2	58	0	0.3	0.3	250	19			T	81
8/22/73	90	4.3	52	0	0	0.1	100	56			T	108
9/04/73	54	4.2	61	0	0.2	0.2	230	40			T	149
9/18/73	54	4.3	74	0	0.3	0.3	270	48			T	176
10/03/73	30	4.0	50	0	0	0.3	260	18			T	94
10/16/73	110	3.6	76	0	0	0.1	148	101			T	196
10/31/73	90	3.8	62	0	0	0.1	215	67			T	233
11/13/73	100	4.1	54	0	0	0	296	65			T	356
12/04/73	300	4.0	52	0	0	0.1	180	188			T	651
12/11/73	182	3.8	68	0	0	0.1	290	149			T	636
4/09/74	250	4.6	4	2	0	0	195	12			T	587
4/30/74	150	4.5	16	0	0	0.1	201	29			T	363
5/14/74	300	4.4	20	0	0	0.1	200	72			T	723
Average	124							68			T	304

Station Number		TR44		Mine - Grab								
Tyler Mines No. 7 Drift												
Date	Flow (gpm)	pH	Concentration (mg/l)			Source Loading (lbs/day)						
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
					Ferrous	Total						
7/11/73	120	4.5	50	0	0.4	0.4	230	72			T	332
7/24/73	112	4.1	60	0	0.4	0.4	260	81			T	350
8/07/73	90	4.0	58	0	0.2	0.2	240	63			T	260
8/22/73	113	3.9	70	0	0	0.2	240	95			T	326
9/04/73	135	3.9	70	0	0.1	0.1	270	114			T	438
9/18/73	34	4.0	84	0	0.2	0.2	290	34			T	119
10/03/73	90	3.8	72	0	0	0.1	330	78			T	357
10/16/73	60	3.5	84	0	0	0	203	61			T	146
10/31/73	150	3.5	78	0	0	0	291	141			T	525
11/13/73	120	3.7	64	0	0	0	349	93			T	359
12/04/73	200	3.7	62	0	0	0.1	255	149			T	613
12/11/73	210	3.8	68	0	0	0.1	290	172			T	732
4/09/74	250	4.5	18	0	0	0.7	170	54			T	512
4/30/74	120	4.5	22	0	0	0.1	245	32			T	354
5/14/74	150	5.0	4	6	0	0.1	175	7	11		T	316
Average	122							83	1		T	373

Station Number		TR45		Mine - Grab								
Country Bank Adjacent to Tyler #14 Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)			Source Loading (lbs/day)						
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
					Ferrous	Total						
9/12/73	20	3.6	25	0	1.2	3.8	100	6			T	24
10/03/73	3	5.9	10	4	0	0.6	405	T	T	T	T	15
10/16/73	1.5	4.1	12	0	0	0.1	103	2			T	2
10/31/73	5	4.5	12	2	0	0.9	86	1	T	T	T	5
11/13/73	5	4.1	12	0	0	0.4	96	1			T	6
12/04/73	35	3.7	18	0	0	0.3	75	8			T	32
12/11/73	10	4.4	14	0	0	1.2	75	2			T	9
4/10/74	20	5.4	6	6	0	0.0	65	1	1	1	T	16
5/14/74	25	5.0	4	6	0	0.1	175	1	2	T	T	53
Average	15							2	0.5	T	T	25

Station Number		BB47		Stream - Gauge									
Bennett Branch Downstream from Tyler Reservoir Run													
Date	Flow (gpm)	pH	Concentration (mg/l)			Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate			
					Ferrous	Total							
7/11/73	15,400	3.7	66	None	3.4	47	180	12,217			T	8,700	33,319
8/01/73	18,200	3.7	56		9.7	14	180	12,251			T	3,063	39,378
8/16/73	33,900	4.0	20		2.8	7	34	8,149			T	2,852	13,854
8/29/73	13,600	3.2	82		10	18	270	13,405			T	2,942	44,137
9/06/73	16,600	3.6	47		5	12	190	9,378			T	2,394	37,911
9/20/73	6,200	4.0	94		13	21	340	7,005			T	1,564	25,338
10/15/73	27,900	3.7	80		5.6	12	23	26,829			T	3,957	7,713
10/18/73	20,800	3.7	40		9	13	124	10,000			T	3,200	31,002
10/30/73	117,500	5.5	10		0	3.0	46	14,124			T	4,237	64,968
11/13/73	23,900	3.4	200		4.5	9.7	174	57,456			T	2,787	49,986
11/28/73	201,500	3.6	40		4.4	5.1	55	96,881			T	12,352	133,212
12/04/73	72,800	2.9	100		0	3.8	135	87,506			T	3,325	118,133
12/11/73	68,200	3.2	42		1.1	8.3	85	34,430			T	6,804	69,673
12/26/73	78,100	4.3	14		0	5.7	77	13,143			T	5,351	72,283
4/18/74	53,774	3.4	60		3.4	15	150	38,879			T	9,849	97,197
5/02/74	67,900	4.3	10		2.2	8.5	55	8,182			T	6,955	45,001
5/23/74	38,810	3.9	20		7.8	7.9	75	9,353			T	3,695	35,074
Average	52,463							26,392			T	4,434	48,185

Station Number		BB48		Stream - Gauge									
Bennett Branch Downstream from Tyler													
Date	Flow (gpm)	pH	Concentration (mg/l)			Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate			
					Ferrous	Total							
7/25/73	19,400	3.2	150	None	22	34	300	34,978			T	7,928	69,956
8/09/73	7,200	2.8	230		10	54	520	19,905			T	4,673	45,003
8/29/73	14,200	3.1	110		0.6	30	690	18,775			T	5,121	117,772
9/06/73	17,400	3.1	130		17	28	290	27,189			T	5,856	60,653
9/20/73	6,500	3.5	130		19	36	390	10,157			T	2,813	30,471
10/15/73	29,200	3.6	80		7	20	149	28,078			T	7,020	52,297
10/18/73	21,700	3.5	68		7	18	171	17,737			T	4,695	44,603
10/30/73	122,700	3.3	48		11	14	114	70,793			T	26,547	168,133
11/13/73	27,300	2.9	300		16	25</							

Station Number		Mine - V-Weir											
DeLullo Mine (Proctor #1)													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Total	Sulfate
			Acid	Alkalinity	Iron Ferrous	Iron Total	Acid	Alkalinity	Total	Sulfate			
7/10/73	83	3.8	81	None	0.7	0.7	200	81			1	200	
7/24/73	39	3.4	78		0.2	0.8	240	39			T	113	
8/07/73	32	3.3	100		0.6	1.5	290	37			T	112	
8/22/73	145	4.5	22		0	0.2	84	38			T	147	
9/05/73	47	3.5	84		0.5	0.6	200	48			T	113	
9/18/73	66	3.3	140		0.5	0.6	300	111			T	239	
10/03/73	88	3.4	82		0	0.6	230	87			T	124	
10/16/73	61	3.7	54		0	0.6	211	40			T	155	
10/31/73	278	4.2	8		0	0.1	15	28			T	50	
11/13/73	83	3.7	74		0	0.3	186	74			T	186	
12/05/73	301	3.3	106		0	2.2	230	384			8	834	
12/11/73	199	3.9	34		0	0.4	115	82			1	276	
4/09/74	450	3.2	118		0	6.7	175	640			36	949	
5/01/74	530	3.8	40		0	0.9	150	255			6	956	
5/14/74	300	3.4	80		0	3.6	150	289			13	542	
Average	189							137			3	355	

Station Number		Mine - V-Weir											
DeLullo Mine (Proctor #1)													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Total	Sulfate
			Acid	Alkalinity	Iron Ferrous	Iron Total	Acid	Alkalinity	Total	Sulfate			
7/10/73	56	3.6	81	None	0.5	0.8	240	55			1	162	
7/23/73	61	3.2	100		0.2	0.8	270	73			1	198	
8/07/73	43	3.1	150		0.3	1.0	330	78			1	171	
8/22/73	52	3.1	170		0	1.1	320	106			1	200	
9/05/73	71	3.3	120		0.5	0.6	250	102			1	213	
9/18/73	43	3.5	95		0.5	0.7	250	49			T	129	
10/03/73	36	3.2	14		0	0.7	375	6			T	162	
10/16/73	66	3.2	120		0	0.4	259	95			T	204	
10/31/73	56	3.1	118		0	0.6	281	79			T	189	
11/13/73	83	3.3	118		0	0.7	271	118			1	270	
12/05/73	115	3.0	124		0	0.6	270	171			1	373	
12/11/73	83	3.1	118		0	0.6	250	118			1	249	
4/09/74	83	3.2	120		0	0	200	120			0	200	
5/01/74	83	3.3	126		0	0.9	150	120			1	150	
5/14/73	52	3.2	112		0	0.7	150	70			T	94	
Average	67							95			1	203	

Station Number		Stream - V-Weir											
McComber Run													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Total	Sulfate
			Acid	Alkalinity	Iron Ferrous	Iron Total	Acid	Alkalinity	Total	Sulfate			
7/10/73	10	5.3	6	0	1.4	1.4	29	1			0	T	4
7/23/73	1	5.5	6	0	0.4	0.4	43	T			0	T	1
8/07/73	1	5.0	4	0	0.4	0.9	48	T			0	T	1
8/22/73	199	6.5	0	2	0	0.1	10	0			5	T	4
9/05/73	1	5.1	3	0	0.1	0.1	34	T			0	T	
9/18/73	15	5.0	10	0	0.1	0.1	65	2			0	T	12
Average	46							1			T	T	8

Station Number		Mine - V-Weir											
DeLullo Mine (Proctor #1)													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Total	Sulfate
			Acid	Alkalinity	Iron Ferrous	Iron Total	Acid	Alkalinity	Total	Sulfate			
7/23/73	39	3.6	78	0	0.2	0.9	230	37			T	108	
8/07/73	32	3.4	100	0	0.4	1.1	270	39			T	104	
8/22/73	137	6.0	6	0	0	0.1	38	10			T	63	
9/05/73	26	3.7	74	0	0.5	0.5	180	23			T	56	
9/18/73	21	3.8	82	0	0.5	0.5	210	21			T	53	
10/03/73	26	3.8	68	0	0	0.4	235	21			T	73	
10/16/73	52	4.3	340	0	0	0.1	104	231			T	65	
10/31/73	231	6.1	4	8	0	0.1	34	11	22		T	94	
11/13/73	56	4.0	36	0	0	0.3	184	22			T	124	
12/05/73	220	3.1	92	0	0	3.0	190	244			8	502	
12/11/73	314	4.0	32	0	0	0.4	70	121			2	264	
4/09/74	413	3.7	38	0	0	5.5	100	189			27	468	
5/01/74	369	3.9	40	0	0	1.4	85	178			0	378	
5/14/74	1,037	3.4	84	0	0	3.7	200	1,050			46	2,499	
Average	200							160			5	352	

Station Number		Stream - Gauge											
Cherry Run at Bennett Branch													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Total	Sulfate
			Acid	Alkalinity	Iron Ferrous	Iron Total	Acid	Alkalinity	Total	Sulfate			
8/01/73	1,000	3.6	80	None	0.2	0.6	220	962			7	2,644	
8/16/73	6,850	4.0	28		0.2	0.7	82	2,306			58	6,752	
8/30/73	3,000	3.6	56		0.5	0.6	62	2,019			22	2,236	
9/06/73	4,040	3.8	35		0.5	0.7	110	1,700			34	5,342	
9/20/73	1,230	3.7	62		0.5	0.7	170	916			10	2,513	
10/15/73	5,800	3.9	28		0	0.9	119	1,952			63	8,297	
10/18/73	5,000	3.9	42		0	0.5	122	2,524			30	7,332	
10/30/73	8,960	3.9	22		0	0.3	46	2,369			32	4,954	
11/01/73	12,600	3.8	22		0	0.4	71	3,332			61	10,753	
11/15/73	5,080	3.5	34		0	10.0	231	2,076			612	14,105	
11/28/73	31,430	3.6	22		0	8.9	60	8,311			3,362	22,667	
12/04/73	6,675	3.7	40		0	0.6	130	3,209			48	10,430	
12/11/73	8,960	3.7	30		0	0.4	90	3,231			43	9,693	
12/26/73	21,300	4.3	12		0	0.4	49	3,072			102	12,545	
4/18/74	4,266	4.1	20		0	0.3	70	1,028			15	3,598	
5/02/74	5,700	4.2	14		0	0.1	40	692			7	2,747	
5/16/74	7,680	4.1	22		0	0.8	150	2,036			74	13,882	
Average	8,987							2,539			356	8,542	

Station Number		Mine - 2-Ft. Weir											
Shawmut #41 No. 4 Drift													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Total	Sulfate
			Acid	Alkalinity	Iron Ferrous	Iron Total	Acid	Alkalinity	Total	Sulfate			
7/10/73	476	3.9	100	None	0.9	2.7	240	572			15	1,373	
7/24/73	302	3.4	100		0.5	3.1	220	363			11	799	
8/07/73	243	3.3	120		0.6	3.7	290	351			11	847	
8/22/73	1,063	3.3	210		0	0.9	270	2,683			12	2,683	
9/05/73	473	3.6	110		0.7	3.0	260	629			17	1,488	
9/19/73	282	3.4	120		0.5	3.5	300	407			12	1,017	
10/08/73	500	3.3	118		2.2	2.5	349	709			15	2,097	
10/17/73	453	3.6	90		0	2.1	298	490			11	1,623	
11/01/73	834	3.3	60		0	2.5	271	601			25	2,717	
11/03/73	700	3.7	106		0	2.0	255	892			17	2,145	
12/04/73	779	3.7	62		0	1.7	235	580			16	2,200	
12/11/73	1,213	3.6	64		0	1.8	195	933			26	2,843	
12/27/73	946	4.0	54		0	1.5	211	614			17	2,399	
4/09/74	1,628	3.8	44		0	1.5	150	863			29	2,943	
4/30/74	364	3.8	84		0	1.5	175	368			7	768	
5/14/74	1,122	3.7	18		0	1.3	201	243			18	2,718	
Average	648							674			20	1,842	

Station Number		Refuse - 2-Ft. Weir											
Shawmut #41 Refuse at Cardiff Ruins													
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Total	Sulfate
			Acid	Alkalinity	Iron Ferrous	Iron Total	Acid	Alkalinity	Total	Sulfate			
7/10/73	94	3.7	110	None	0.6	1.3	240	124			2	271	
7/24/73	67	3.2	110		0.3	1.1	270	89			1	193	
8/07/73	44	3.2	88		0.5	1.3	280	47			1	217	
8/22/73	648	3.5	56		0	0.6	150	436			5	148	
9/05/73	224	3.3	120		0.5	0.6	280	323			2	1,168	
9/19/73	123	3.3	120		0.5	1.6	290	177			2	754	
10/08/73	302	3.3	90		0	0.6	174	327			2	429	
10/17/73	154	3.4	102		0	0.7	241	189			1	632	
11/17/73	572	3.3	84		0	0.7	191	577			5	446	
11/03/73	206	3.4	114		0	0.7	291	282			2	1,313	
12/04/73	572	3.3	100		0	0.7	245	688			5	1,684	
12/11/73	476	3.3	92		0	0.7	190	526			4	1,087	
12/27/73	2,215	3.7	32		0	0.1	80						

Station Number		Stream - 2-Ft. Weir													
Cardiff Tributary at Cherry Run															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate				
7/10/73	1,465	3.8	140	None	0.6	2.0		240	2,465		35	4,226			
7/25/73	430	3.4	110		0.4	2.2	290	569		11	1,499				
8/07/73	343	3.4	110		0.5	2.5	300	454		10	1,237				
8/22/73	1,864	3.4	92		0	0.8	91	2,061		18	2,039				
9/05/73	622	3.5	120		0.6	2.1	250	897		16	1,869				
9/19/73	430	3.4	100		0.5	2.2	320	517		11	1,654				
10/08/73	834	3.4	84		0	1.4	176	842		14	1,764				
10/17/73	622	3.6	90		0	2.8	233	673		21	1,742				
11/01/73	1,465	3.4	90		0	1.5	251	1,585		26	4,420				
11/13/73	862	3.6	108		0	1.4	244	1,119		15	2,528				
12/04/73	2,143	3.5	54		0	1.2	190	1,391		31	4,894				
12/11/73	1,651	3.4	74		0	1.2	185	1,477		24	3,694				
12/27/73	3,500	3.9	38		0	0.9	95	1,599		38	3,997				
4/09/74	2,300	3.8	52		0	2.1	155	1,441		58	4,296				
4/30/74	600	3.7	56		0	1.0	150	405		7	1,085				
5/15/74	2,000	3.7	48		0	0.9	120	1,157		22	2,892				
Average	1,274							1,051		19	2,548				

Station Number		Refuse - V-Weir													
Cherry Run at Proctor #1 Refuse															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate				
7/10/73	21	3.9	84	None	0.4	0.4		200	21		T	50			
7/24/73	17	3.5	84		0.3	0.3	210	17		T	43				
8/07/73	10	3.5	70		0.4	0.6	200	8		T	24				
8/22/73	71	3.5	120		0	0.4	430	120		T	367				
9/15/73	18	3.6	98		0.3	0.3	260	21		T	56				
9/19/73	10	3.5	91		0.2	0.2	230	11		0	28				
10/08/73	21	3.7	90		0	0.3	151	23		T	38				
10/17/73	21	3.6	82		0	0.1	264	21		0	67				
11/01/73	29	3.5	88		0	0.1	235	31		0	82				
11/15/73	23	3.3	72		0	0.4	269	20		T	74				
12/04/73	36	3.3	108		0	0.3	320	47		T	138				
12/11/73	20	3.4	90		0	0.3	260	22		T	63				
4/09/74	15	3.6	100		0	0.3	270	18		T	48				
4/30/73	10	3.6	84		0	0.5	225	10		T	27				
5/15/73	15	3.5	80		0	0.5	225	14		T	41				
Average	23							28		T	82				

Station Number		Stream - V-Weir													
Tributary to Cherry Run Downstream from the Force Reservoir (Five Points Mine)															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate				
7/18/73	56	3.3	70	None	0.5	1.0		210	47		1	141			
7/26/73	36	3.4	84		0.5	1.5	190	36		1	82				
8/09/73	20	3.3	84		0.5	1.4	200	20		T	48				
8/23/73	108	3.2	110		0.5	1.1	190	142		1	247				
9/06/73	52	3.4	81		0.5	1.8	180	51		1	113				
9/19/73	43	3.5	84		0.5	1.7	190	43		1	98				
10/09/73	83	2.8	520		0	0.7	425	520		1	425				
10/22/73	52	3.6	72		0	0.7	215	45		T	134				
10/31/73	52	3.4	60		0	1.2	301	38		T	188				
11/12/73	39	3.2	100		0	1.0	200	47		1	94				
12/03/73	153	3.6	200		0	0.6	170	368		1	313				
12/10/73	253	3.3	90		0	0.9	190	274		3	578				
4/30/74	250	4.3	22		1.1	4.0	105	66		12	316				
5/15/74	200	3.7	30		0	1.5	85	72		4	205				
Average	92							165		1	216				

Station Number		Stream - Gauge													
Cherry Run Upstream from Cardiff															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate				
7/10/73	1,660	4.8	10	0	1.0	2.2		53	200	0	44	1,058			
7/24/73	900	4.6	12	0	0.4	0.9	58	130	0	10	627				
8/08/73	550	4.3	10	0	0.5	0.8	91	66	0	5	602				
8/23/73	3,215	4.5	8	0	0.4	0.4	50	310	0	15	1,932				
9/05/73	1,280	4.8	12	0	0.5	0.5	58	185	0	8	892				
9/19/73	700	4.6	10	0	0.5	0.6	65	85	0	5	547				
10/08/73	1,875	4.4	10	0	0.3	37	226	0	7	834					
10/17/73	1,850	4.7	4	2	0	0.3	29	89	45	7	645				
11/01/73	15,300	4.6	10	2	0	0.6	41	1,844	369	110	7,540				
11/15/73	1,750	4.3	4	0	0	0.9	40	84	0	19	841				
12/04/73	2,900	3.9	10	0	0	0.4	40	349	0	14	1,394				
12/11/73	4,720	4.2	12	0	0	0.2	40	683	0	11	2,269				
4/09/74	1,210	4.5	10	0	0	0.3	40	146	0	4	583				
4/30/73	2,000	4.4	8	0	0	0.5	54	193	0	12	1,301				
5/15/74	1,210	4.5	4	0	0	0.1	28	58	0	2	408				
Average	2,85							313		18	1,484				

Station Number		Mine - V-Weir													
Proctor #1 Mine (Bootleg Entry)															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate				
7/10/73	10	3.7	7	None	0.6	2.4		170	1		T	20			
7/24/73	12	3.2	60		0.3	2.7	190	9		T	27				
8/07/73	10	3.2	68		0.4	2.8	200	8		T	24				
8/23/73	7	3.4	44		0.6	2.1	160	4		T	13				
9/05/73	10	3.4	70		0.6	3.3	200	8		T	24				
9/19/73	10	3.3	78		0.5	3.4	200	9		T	24				
10/08/73	15	3.7	50		0	1.7	101	9		T	18				
10/17/73	15	3.4	56		1.1	2.0	169	10		T	30				
11/01/73	21	3.4	34		0	1.0	149	9		T	38				
11/15/73	15	3.2	100		0	3.0	226	18		T	41				
12/04/73	10	3.2	52		0	1.3	135	7		T	16				
12/11/73	20	3.1	40		0	1.4	135	10		T	32				
4/09/74	15	3.7	20		0	0.6	110	4		T	20				
4/30/74	10	3.6	24		0	0.5	74	3		T	9				
5/15/74	10	3.6	26		0	0.4	90	3		T	11				
Average	12							8		T	22				

Station Number		Stream - Gauge													
Bennett Branch Downstream from Cherry Run															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate				
7/10/73	17,900	3.6	90	None	4	15		220	19,364		3,227	47,335			
7/26/73	29,400	3.3	72		6	12	180	25,444		4,241	63,610				
8/09/73	8,000	2.8	180		10	22	500	17,309		2,116	48,080				
8/29/73	15,000	3.0	110		6	14	240	20,891		2,659	45,580				
9/06/73	19,300	3.2	79		5	10	190	18,327		2,320	44,077				
9/20/73	7,200	3.3	150		14	23	360	12,983		1,991	31,156				
10/15/73	32,500	3.4	48		7	14	168	18,751		5,469	65,629				
10/18/73	24,100	3.4	78		8	18	182	22,595		5,098	52,722				
10/30/73	136,600	3.9	2		0	3.7	61	3,292		6,075	100,408				
11/01/73	109,000	3.7	20		1.1	3.6	175	26,269		4,717	229,854				
11/15/73	29,200	3.1	200		7	11	234	70,197		3,931	82,130				
11/28/73	234,200	3.5	12		2.2	4.7	65	33,865		13,231	183,437				
12/03/73	84,700	3.0	60		6	10	115	61,238		10,385	117,373				
12/11/73	79,300	3.1	40		0	7.1	105	38,127		6,768	100,085				
12/27/73	203,200	4.1	12		0	2.8	35	29,310		6,839	85,486				
4/18/74	62,501	3.7	40		2.2	7.3	75	30,125		5,498	56,485				
5/02/74	78,917	4.1	18		1.1	4.0	55	17,117		3,804	52,302				
5/16/74	45,059	3.8	28		0	4.9	175	15,202		2,661	95,018				
Average	67,370							25,147		4,866	76,554				

Station Number		Mine - Grab													
Country Bank Mine at Mouth of Cardiff Tributary, East															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate				
7/11/73	10	4.3	26	None	0.3	0.3		170	3		T	20			
7/24/73	1	4.4	16		0.3	0.7	120	T		T	1				
Average	2									T	T	2			

Station Number		Mine - Grab													
Maple Hill Mine (Proctor #1)															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)								
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate				
7/11/73	0.6	4.0	74	None	0.5	2.4		120	1		T	1			
7/24/73	1.0	3.6	32		0.2	0.7	250	1		T	3				
8/08/73	0.13	3.6	28		0.5	0.8	160	T		T	T				
8/22/73	6.0	3.6	28		0	0.6	91	2		T	7				
9/05/73	1.0	3.7	63		1.1	2.4	140	1		T	2				
9/19/73	0.75	3.8	32		1.2	1.8	110	T		T	1				
10/08/73	1.5	3.8	32		0	0.9	109	1		T	2				

Station Number		Stream - Gauge												
Browns Run Upstream from Kersey Run														
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)						
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/16/73	300	3.7	92	None	0.5	1.4	210	322			5	757		
8/01/73	250	3.3	100		0.4	1.3	250	301			4	751		
8/16/73	690	3.2	86		0.5	3.4	120	713			28	995		
8/29/73	250	3.2	96		0.6	1.3	240	288			4	721		
9/13/73	75	3.3	110		0.5	1.1	310	99			1	279		
9/27/73	58	3.3	88		0	0.9	280	61			1	195		
10/15/73	250	3.1	84		0	1.0	241	252			3	724		
10/25/73	200	3.0	84		0	0.9	148	202			2	356		
10/30/73	1,960	3.4	42		0	0.6	136	989			14	3,204		
11/01/73	1,700	3.4	48		0	2.3	121	981			47	2,473		
11/15/73	350	3.1	94		0	0.9	321	395			4	1,350		
11/28/73	10,102	3.0	50		0	1.4	105	6,071			170	12,750		
12/03/73	2,300	2.9	80		0	1.0	205	2,212			28	5,667		
12/12/73	1,490	3.1	74		0	1.2	185	1,325			22	3,313		
12/27/73	4,700	3.9	36		0	0.6	114	2,034			34	6,440		
4/18/74	2,425	3.5	40		0	0.6	100	1,169			18	2,922		
5/02/74	2,000	3.6	44		0	0.5	120	1,060			12	2,892		
5/23/74	560	3.4	59		0	0.9	200	398			6	1,350		
Average	1,600							998			22	2,447		

Station Number		Mine - Grab												
Country Bank Mine South of Browns Run														
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)						
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
8/22/73	1	2.6	280	None	0	26	360	3			T	4		
9/11/73	3	2.4	450		0.5	48	550	16			2	20		
9/27/73	1	2.6	520		0	37	560	6			1	7		
10/12/73	8	2.6	360		0	34	122	32			3	11		
10/24/73	2	2.6	600		0	35	474	14			31	232		
11/01/73	70	2.6	300		0	37	276	252			3	34		
11/15/73	7	2.7	500		0	41	400	42			8	103		
12/04/73	30	2.5	360		0	21	285	130			14	260		
12/12/73	60	2.8	220		0	19	360	159			14	115		
5/02/74	45	3.0	170		0	12	175	92			7	95		
5/15/74	60	2.9	200		0	9	200	144			7	145		
Average	22							74			8	103		

Station Number		Stream - Gauge												
Byrnes Run Upstream from Kersey Run														
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)						
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/24/73	1,300	6.1	0	8	0.4	0.4	14	0	125	6	219			
12/04/73	9,700	5.1	8	2	0	0.3	30	935	234	35	3,506			
5/01/74	5,500	4.8	4	4	0	0.1	9	265	265	7	596			
Average	5,500							400	208	16	1,440			

Station Number		Stream - 2-Ft. Weir												
Browns Run, North Branch														
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)						
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/16/73	188	3.5	130	None	0.5	0.9	240	294			2	542		
7/30/73	100	3.2	140		0.4	0.4	290	169			1	348		
8/13/73	67	3.2	150		0.5	0.7	290	121			1	234		
8/29/73	302	3.1	120		0.5	0.7	270	436			3	980		
9/11/73	123	3.2	150		0.3	0.3	310	222			T	458		
9/27/73	80	3.3	120		0	0.3	298	115			T	287		
10/12/73	138	3.0	108		0	0.3	309	179			1	513		
10/29/73	94	2.8	138		0	0.3	358	156			T	404		
11/01/73	430	3.1	94		0	0.4	241	486			2	1,246		
11/15/73	262	3.1	200		0	0.6	245	630			2	772		
12/04/73	807	2.8	120		0	1.5	190	1,164			15	1,843		
12/12/73	726	3.0	104		0	0.6	225	908			5	1,963		
4/09/74	975	3.2	78		0	1.2	225	916			14	2,643		
5/02/74	302	3.4	60		0	0.5	150	218			2	546		
5/15/74	1,152	3.5	62		0	0.2	200	861			3	2,776		
Average	335							418			3	886		

Station Number		Stream - Gauge												
Kersey Run at Bennett Branch														
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)						
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/18/73	8,200	4.6	4	0	0.4	0.4	29	395	0	39	2,858			
8/01/73	5,000	4.8	8	0	0.4	0.4	40	482	0	24	2,404			
8/06/73	14,250	4.5	8	0	0.5	0.9	24	1,374	0	154	4,111			
8/29/73	3,800	4.9	6	0	0.3	0.3	24	275	0	14	1,096			
9/13/73	2,800	5.1	5	0	0.3	0.3	22	169	0	10	740			
9/27/73	1,460	4.8	6	2	0	1.7	35	106	35	30	614			
10/12/73	10,060	5.5	2	2	0	0.3	151	242	242	36	18,259			
10/25/73	3,600	5.4	4	2	0	0.4	41	174	87	13	1,774			
10/30/73	50,890	4.4	6	2	0	0.4	31	3,679	1,226	245	18,963			
11/01/73	114,000	4.2	2	0	0	0.3	30	2,747	0	411	41,108			
11/15/73	9,100	4.9	6	4	0	4.0	41	658	439	438	4,485			
11/28/73	162,762	4.0	8	0	0	6.0	25	15,690	0	11,542	48,910			
12/04/73	22,900	4.2	6	0	0	0.3	35	1,056	0	83	9,634			
12/12/73	21,600	4.2	4	0	0	0.1	30	1,041	0	26	7,789			
12/27/73	110,000	4.4	4	0	0	0.4	17	5,302	0	529	22,477			
4/18/74	16,595	4.5	2	0	0	0.1	15	400	0	29	3,000			
5/02/74	45,900	4.7	4	4	0	0.1	30	2,212	2,212	55	16,593			
5/23/74	17,700	4.5	0	2	0	0.3	16	427	0	64	3,413			
Average	32,815							2,127	277	899	10,791			

Station Number		Stream - Gauge												
Kersey Run Downstream from Byrnes Run														
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)						
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/24/73	4,700	6.2	0	4	0.4	0.4	14	0	227	23	791			
12/04/73	35,800	4.5	4	2	0	0.1	45	1,726	863	43	19,364			
5/01/74	17,500	5.0	2	6	0	0.1	7	422	1,265	21	14,600			
Average	19,333							716	785	29	11,585			

Station Number		Mine - V-Weir												
Shawmut #42 Mine, No. 3 Drift														
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)						
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/16/73	101	3.5	160	None	0.5	3.4	280	194			4	340		
7/30/73	50	3.0	190		0.5	4.3	390	114			3	234		
8/13/73	23	3.0	200		0.6	4.3	370	55			1	102		
8/29/73	162	3.1	130		0.5	2.6	300	253			5	584		
9/11/73	66	3.0	180		0.5	3.3	360	143			3	286		
9/27/73	26	3.0	178		0	3.8	395	56			1	123		
10/12/73	56	2.9	164		0	3.2	340	110			2	229		
10/29/73	48	2.7	78		0	3.6	299	45			2	173		
11/01/73	199	3.1	100		0	1.2	234	239			3	560		
11/15/73	153	3.0	142		0	8.6	379	261			16	697		
12/04/73	413	2.8	80		0	3.2	210	397			16	1,042		
12/12/73	314	3.1	124		0	1.8	195	468			7	736		
4/09/74	500	3.2	78		0	2.5	225	469			15	1,356		
5/02/74	200	3.4	76		0	1.4	175	183			34	422		
5/15/74	600	3.5	64		0	0.1	175	463			1	1,265		
Average	175							204			9	487		

Station Number		Stream - Gauge												
Kersey Run Upstream of Byrnes Run														
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)						
			Acid	Alkalinity	Iron Ferrous	Iron Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/24/73	2,606	5.2	6	0	0	0.3	24	188	0	9	752			
8/16/73	11,750	4.5	8	0	0	0.9	24	1,133	0	127	3,398			
12/04/73	20,900	4.4	6	0	0	0.1	45	1,511	0	25	11,333			
5/01/74	11,750	4.8	4	4	0	0.2	9	566	566	28	1,274			
Average	11,750							1,089	120	47	4,189			

Station Number	
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Station Number K79 Stream - V-Weir											
Kersey Run Tributary Upstream of Byrnedale Near Proctor #4 Portal											
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)			
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total					
7/10/73	56	3.6	150	None	0.8	3.6	480	101		2	323
7/30/73	95	3.1	160		0.7	3.8	510	183		4	582
8/08/73	29	3.0	180		0.9	4.7	530	63		2	185
8/23/73	199	3.1	160		1.0	7.0	400	383		17	957
9/07/73	43	3.1	160		0.7	4.5	42	83		2	22
9/19/73	56	3.2	160		0.9	3.6	500	108		2	337
10/08/73	145	2.9	80		0	3.6	451	139		6	786
10/17/73	66	3.4	118		0	2.7	276	94		2	219
11/01/73	383	3.2	84		0	3.2	311	387		15	1,432
11/15/73	56	3.1	120		0	3.6	475	81		2	320
12/04/73	210	2.9	130		0	4.7	350	328		12	883
12/12/73	328	3.1	94		0	3.8	315	371		15	1,242
4/11/74	253	3.5	56		0	2.5	225	171		8	686
5/01/74	289	3.5	50		0	2.3	150	174		8	522
5/15/74	383	3.1	60		1.1	2.3	150	278		11	692
Average	181							209		8	642

Station Number K80 Stream - V-Weir											
Tributary 0.8 Mile North of Byrnedale, Right											
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)			
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total					
7/10/73	21	4.1	100	None	0.5	2.8	140	25		1	35
7/30/73	29	3.8	44		1.0	2.0	170	15		1	59
8/08/73	15	3.8	38		0.8	1.7	190	7		T	34
8/23/73	95	4.1	34		0.6	1.5	130	39		2	148
9/07/73	36	3.8	41		1.3	2.6	150	18		1	65
9/19/73	21	3.9	44		1.8	4.3	170	11		1	43
10/08/73	56	3.6	120		7.8	14	148	81		9	100
10/17/73	36	4.1	32		0	2.9	159	14		1	69
11/01/73	253	3.9	24		0	0.9	121	73		3	368
11/15/73	47	3.8	42		0	1.0	219	24		1	124
12/04/73	115	3.7	32		0	1.8	150	44		3	207
12/12/73	145	3.8	40		0	0.7	110	70		1	192
4/11/74	115	4.2	14		0	0.4	80	19		1	111
5/01/74	130	4.1	22		0	0.6	90	34		1	141
5/15/74	171	3.5	30		0	0.6	225	62		1	464
Average	90							39		2	156

Station Number K81 Stream - V-Weir											
Tributary North of Byrnedale and Parallel to Pennsylvania Route 255											
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)			
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total					
7/30/73	20	6.6	0	6	0.3	0.3	50	1	0	T	12
8/08/73	5	6.2	0	12	0.1	0.1	53	1	0	T	3
8/23/73	21	6.6	0	0	0.6	1.2	53	0	0	T	13
Average	15							T		T	9

Station Number K82 Mine - V-Weir											
Shawmut #31, No. 2 Drift at Potash Run											
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)			
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total					
7/11/73	21	3.6	40	None	6.6	7.6	180	10		2	45
7/24/73	17	3.0	120		6.9	12	200	25		3	41
8/08/73	15	3.0	130		6.5	12	220	23		2	40
8/23/73	36	3.0	96		2.6	5.2	170	42		2	74
9/07/73	15	3.0	120		5.4	8.0	190	22		1	34
9/19/73	15	3.1	140		6.4	10.0	250	25		2	45
10/08/73	15	2.7	120		7.8	14	148	22		3	27
10/17/73	15	3.0	300		9.0	13	293	54		2	53
11/01/73	32	2.3	130		1.1	5.6	151	50		2	58
11/15/73	23	3.0	104		0	5.6	220	29		2	61
12/04/73	66	2.8	70		0	5.1	115	56		4	91
12/12/73	88	3.1	76		0	3.0	160	80		3	169
4/10/74	88	3.4	100		1.1	3.3	80	106		4	85
5/01/74	47	3.4	52		2.2	4.5	125	29		3	71
5/15/74	171	3.0	40		0	2.7	175	82		6	361
Average	43							40		2	61

Station Number K83 Mine - Grab											
Gustafson Mine (Potash Run)											
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)			
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total					
7/11/73	17	3.5	100	None	1.2	7	190	20		1	39
7/24/73	1	2.7	180		1.7	12	430	2		T	5
8/08/73	NO FLOW										
8/23/73	1	2.9	200		1.8	12	460	2		T	6
9/07/73	1	2.8	220		2.4	12	530	1		T	3
9/19/73	1	2.6	450		17	51	710	5		1	9
10/08/73	2	2.4	500		6.7	59	751	12		1	18
10/17/73	1	2.6	500		8.0	60	698	6		1	8
11/01/73	29	2.3	660		0	24	551	230		43	192
11/15/73	1	2.6	500		0	54	624	6		1	8
12/04/73	10	2.5	320		0	29	375	38		4	45
12/12/73	15	2.7	298		0	27	325	54		5	59
4/10/74	15	2.9	96		0	6.5	150	17		1	27
5/01/74	20	3.1	130		0	7.5	175	31		2	42
5/15/74	10	2.7	140		0	7.8	150	17		1	18
Average	6							19		3	21

Station Number K84 Mine - V-Weir											
Gustafson Mine (Potash Run)											
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)			
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total					
7/18/73	1	3.0	280	None	2.8	25	460	3		T	6
7/24/73	1	2.4	350		2.4	30	560	4		T	7
8/08/73	NO FLOW										
8/23/73	10	2.4	540		2.4	74	690	65		9	83
9/07/73	1	2.4	420		2.4	31	590	5		T	7
9/19/73	NO FLOW										
10/08/73	1	2.7	140		10	20	274	2		T	3
10/17/73	1	2.9	200		16	18	349	1		T	2
11/01/73	4	2.7	78		5.6	12	201	4		1	10
11/15/73	NO FLOW										
12/04/73	1	2.8	200		0	23	495	2		T	6
12/12/73	12	3.0	94		0	18	285	14		3	41
4/10/74	6	3.1	12		0	12	230	1		1	17
5/01/74	15	3.5	24		0	2.6	100	4		1	18
5/15/74	10	2.9	80		0	8.0	200	10		1	24
Average	4							8		1	14

Station Number K85A Refuse - Grab											
Mine Refuse at Byrnedale Coke Oven Ruins											
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)			
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total					
7/24/73	1	3.7	230	None	4.8	28	290	3		T	3
8/08/73	NO FLOW										
8/23/73	5	2.5	460		20	84	470	28		5	28
9/07/73	2	2.5	310		12	48	360	7		1	9
9/19/73	2	3.0	170		24	37	200	4		1	5
10/08/73	1	2.6	480		11	80	274	6		1	3
10/17/73	2	2.9	100		0	37	101	2		1	2
11/01/73	20	2.2	440		34	90	301	106		22	72
11/15/73	2	2.8	500		18	38	299	12		1	7
12/04/73	15	2.8	500		0	48	455	90		9	82
12/12/73	20	2.9	210		0	41	225	50		10	54
4/10/74	15	3.0	20		1.1	13	120	4		2	22
5/01/74	25	3.2	74		1.1	11	100	22		3	30
5/15/74	20	2.7	120		1.1	15	150	3		4	36
Average	10							30		5	28

Station Number K85B Refuse - Grab											
Mine Refuse at Byrnedale Coke Oven Ruins											
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)			
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total					
7/24/73	1	2.5	28	None	3.4	5.6	150	T		T	2
8/08/73	NO FLOW										
8/23/73	2	4.1	16		0.5	1.0	140	1		T	3
9/07/73	1	3.6	20		2.5	4.3	110	T		T	1
9/19/73	1	4.0	24		5.0	6.6	120	T		T	1
10/08/73	1	4.0	8		0	1.0	132	T		T	2
10/17/73	2	4.1	12		2.2	3.0	154	T		T	4
11/01/73	15	3.6	36		0	0.4	96	T		T	7
11/15/73	2	4.4	4		0	6.0	191	T		T	5
12/04/73	10	3.9	18		0	1.0	140	2		T	17
12/12/73	35	4.2	14		0	0.9	190	6		T</	

Station Number		R88		Stream - 2-Ft. Weir											
Potash Run at Kersey Run															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Ferrous	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/18/73	154	3.5	110	None	1.7	5.1	230	204		9	426				
7/24/73	171	3.1	120		1.6	4.4	250	247		9	514				
8/08/73	33	3.0	140		1.4	7.1	280	56		3	111				
8/23/73	386	3.3	100		0.9	3.3	210	464		15	974				
9/07/73	224	3.2	110		1.2	4.5	240	296		12	646				
9/19/73	108	3.3	130		1.3	5.6	290	169		7	376				
10/08/73	262	3.2	20		1.1	3.2	201	63		10	633				
10/17/73	123	3.3	122		0	4.0	291	180		6	430				
11/01/73	364	3.3	76		0	2.2	246	333		10	1,076				
11/15/73	154	3.2	112		0	2.2	321	207		4	594				
12/04/73	476	3.2	90		0	1.7	170	515		10	973				
12/12/73	476	3.2	84		0	1.5	185	481		9	1,058				
12/27/73	726	3.6	52		0	0.9	135	454		8	1,178				
4/10/74	890	3.2	108		1.1	5.4	210	1,158		58	2,252				
5/01/74	386	3.4	72		0	2.4	200	335		11	930				
5/15/74	700	3.2	80		0	1.6	175	675		14	1,476				
Average	343							325		10	811				

Station Number		K90		Mine - V-Weir											
Shawmut #31 Mine (Potash Run)															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Ferrous	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/10/73	15	3.6	100	None	1.1	2.6	250	18		1	45				
7/24/73	19	3.0	150		1.8	10.0	340	34		2	78				
8/08/73	10	3.1	120		0.8	4.1	290	14		1	35				
8/23/73	66	3.1	120		1.6	6.2	240	95		5	190				
9/07/73	10	3.3	81		1.1	2.9	220	10		T	26				
9/19/73	10	3.3	130		1.5	3.5	310	16		T	37				
10/08/73	23	3.2	158		0	3.0	354	44		1	98				
10/17/73	21	3.2	20		0	1.6	183	5		T	46				
11/01/73	171	3.3	54		0	3.2	160	111		7	329				
11/15/73	15	3.1	108		0	2.3	324	19		T	58				
12/04/73	130	3.0	142		0	7.4	295	222		12	461				
12/12/73	153	3.1	104		0	3.9	245	191		7	451				
4/10/74	153	3.2	80		0	5.0	230	147		9	424				
5/01/74	190	3.5	44		0	1.8	150	101		4	343				
5/15/74	130	3.2	70		0	2.9	100	110		45	157				
Average	77							78		7	185				

Station Number		B895		Stream - Gauge											
Bennett Branch Downstream from Kersey Run															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Ferrous	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/19/73	42,200	3.7	76	None	1.5	6.3	170	38,551		3,196	86,231				
8/02/73	16,800	3.2	84		2.7	6.0	230	16,963		1,212	46,445				
8/16/73	55,300	3.8	22		2.1	4.0	82	14,624		2,659	54,506				
8/29/73	23,200	3.2	68		1.0	6.9	160	18,963		1,924	44,618				
9/13/73	28,300	3.1	110		2.6	10	260	37,418		3,402	88,443				
9/27/73	17,000	3.0	92		0	12	220	18,799		2,411	44,955				
10/12/73	42,700	3.9	22		1.1	3.7	81	11,292		1,899	41,574				
10/25/73	36,200	3.5	60		7.8	8.6	164	26,107		3,742	71,360				
10/30/73	200,500	4.2	6		0	2.3	35	14,460		5,543	84,350				
11/08/73	62,000	3.6	26		2.2	3.2	275	19,376		2,385	204,941				
11/15/73	39,900	3.3	32		0	4.3	190	15,347		2,062	91,124				
11/28/73	343,800	3.7	24		0	2.6	45	99,179		10,744	185,961				
12/04/73	124,300	3.1	20		1.1	4.7	70	29,882		7,022	104,586				
12/12/73	116,400	3.5	22		2.2	3.7	65	30,781		5,177	90,943				
12/27/73	298,200	4.4	10		0	2.0	24	35,844		7,169	86,025				
4/18/74	91,753	3.8	20		1.1	4.4	150	46,746		10,284	350,597				
5/02/74	115,830	4.3	10		0	2.5	40	13,958		3,489	55,830				
5/23/74	50,500	3.8	20		0	3.5	225	12,171		2,130	136,918				
Average	92,958							25,964		3,748	88,365				

Station Number		CA96		Stream - Gauge											
Dixon Run at Bennett Branch															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Ferrous	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/18/73	1,300	3.2	34	None	2.4	50	560	531		781	8,751				
8/02/73	2,790	2.7	370		1	50	650	12,408		1,677	21,798				
8/15/73	11,300	2.8	230		2.8	36	360	31,240		4,890	48,897				
8/29/73	3,700	2.5	340		1.0	43	590	15,121		1,912	26,240				
9/13/73	2,560	2.7	420		1.4	51	680	12,924		1,569	20,924				
9/27/73	1,700	2.7	460		0	47	995	9,400		960	20,332				
10/11/73	2,215	2.8	360		3	38	452	9,585		1,012	12,034				
10/25/73	3,150	2.7	700		2.2	76	649	26,504		2,878	24,573				
10/30/73	11,555	2.8	60		0	37	345	8,333		5,097	47,917				
11/05/73	4,613	2.9	400		8	29	325	22,179		1,608	18,021				
11/19/73	4,000	2.6	420		0	38	425	20,244		1,832	20,485				
11/28/73	10,000	2.7	180		6.7	32	245	21,636		3,822	29,449				
12/06/73	4,250	2.8	360		0	27	390	18,391		1,354	19,923				
12/13/73	15,700	2.7	295		0	29	382	55,671		5,416	72,089				
12/27/73	14,400	3.2	134		0	19	240	23,194		3,358	41,541				
4/18/74	3,969	2.9	340		2.2	65	325	16,261		3,118	15,544				
5/08/74	4,250	2.9	420		13	66	650	21,509		3,370	33,288				
5/23/74	4,350	2.8	340		13	66	350	17,822		3,465	18,346				

Station Number		CA97		Mine - V-Weir											
Hand Coal #13 Mine															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Ferrous	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/10/73	21	4.2	30	0	0.5	1.1	250	8	0	T	63				
7/30/73	21	3.6	44	0	0.2	0.7	290	11	0	T	73				
8/13/73	10	3.5	52	0	0.5	0.7	330	6	0	T	40				
8/28/73	36	3.9	33	0	0.5	2.8	270	14	0	T	117				
9/10/73	23	3.6	48	0	0.5	1.1	310	13	0	T	86				
9/24/73	10	3.6	58	0	0.4	0.4	370	7	0	T	44				
10/08/73	32	3.3	150	0	0	0.5	368	58	0	T	142				
10/22/73	15	3.0	212	0	0	0.6	364	38	0	T	66				
11/05/73	66	3.8	24	0	0	0.4	275	19	0	T	218				
11/19/73	32	3.3	56	0	0	0.7	310	22	0	T	119				
12/06/73	NO FLOW														
12/13/73	52	3.8	16	0	0	0.3	275	10	0	T	172				
4/15/74	47	5.8	2	32	0	0.2	225	1.1	18	T	127				
5/06/74	26	6.5	8	34	0.1	0.1	200	2.5	11	T	63				
5/21/74	10	5.5	6	20	0	0.7	225	0.7	2.0	T	27				
Average	24							15	1.4	T	84				

Station Number		CA98		Mine - V-Weir											
Hand Coal #13 Mine															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Ferrous	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/10/73	15	6.8	0	14	0.5	0.5	100	0	3	T	18				
7/30/73	1	6.9	0	24	0.2	0.2	14	0	T	0	T				
8/13/73	1	6.7	0	36	0.3	0.3	14	0	T	0	T				
8/28/73	29	6.1	10	0	0.5	0.6	180	4	0	T	63				
9/10/73	1	7.4	0	28	0.1	0.1	26	0	T	0	T				
9/24/73	1	7.2	0	33	0.5	0.9	53	0	T	0	T				
Average	7									T	T	13			

Station Number		CA99		Mine - V-Weir											
Shawmut #31, Caledonia Hollow Tunnel															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron	Ferrous	Total	Sulfate	Acid	Alkalinity	Total	Sulfate			
7/10/73	153	3.2	410	None	7.0	95	750	754		175	1,379				
7/30/73	231	2.6	460		37	110	760	1,277		305	2,110				
8/13/73	199	2.8	440		1.2	100	750	1,052		239	1,794				
8/28/73	220	2.6	470		66	100	770	1,243		264	2,036				
9/10/73	231	3.0	570		45	120	860	1,583		333	2,332				
9/24/73	231	2.7	540		80	130	980	1,499		361	2,721				
10/08/73	231	2.5	548		0	120	755	1,522		333	2,069				
10/22/73	199	2.4	556		21	116	674	1,330		277	1,612				
11/05/73	190	2.6	600		90	132	875	1,370		301	1,998				
11/19/73	199	2.6	655		70	135	884	1,569		323	2,115				
12/06/73	231	2.7	780		11	61	900	2,166		169	2,499				
12/13/73	253	2.5	400		0	41	760	1,216		125	2,311				
4/15/74	314	2.5	1,500		83	591	1,950	5,676		2,236	7,378				

Station Number		Stream 2-Ft. Weir													
Dixon Run, Shaffer Hollow Tributary															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/18/73	300	3.1	430	None	0	45	610	1,550		233	2,200				
7/25/73	548	2.6	410		2.2	59	600	2,701		388	3,952				
8/13/73	364	2.6	470		2.8	58	710	2,056		254	3,106				
8/28/73	648	2.6	420		1.9	52	620	3,271		405	4,829				
9/10/73	476	2.7	420		1.9	51	640	2,403		292	3,662				
9/24/73	282	2.7	470		0.9	50	700	1,593		169	2,372				
10/08/73	726	2.7	400		4	38	375	3,491		332	3,272				
10/22/73	546	2.4	542		4.5	124	551	3,570		817	3,629				
11/05/73	1,182	2.9	400		2	30	475	5,683		426	6,748				
11/19/73	500	2.7	420		0	40	401	2,524		240	2,410				
12/06/73	726	2.8	340		0	33	225	2,967		288	1,963				
12/13/73	2,500	2.6	400		0	28	490	12,020		841	14,725				
12/27/73	3,000	3.1	144		0	26	215	5,193		938	775				
4/15/74	1,500	2.9	200		0	23	175	3,615		421	3,163				
5/06/74	1,000	3.0	260		0	25	175	3,133		301	2,109				
5/21/74	450	2.8	240		0	30	275	1,301		161	1,491				
Average	867							3,324		393	3,420				

Station Number		Mine - V-Weir													
Shawmut #31, No.1 Shaffer Hollow Mine															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/18/73	10	3.1	720	None	1.0	93	950	87		11	144				
7/30/73	2	2.5	800		3.4	87	1,000	19		2	24				
8/13/73	0.01	2.5	720		0	140	1,100	0.1		0.1	0.1				
8/27/73	23	2.4	820		1.8	120	1,200	227		33	332				
9/10/73	15	2.5	1,100		1.9	130	1,300	198		23	234				
9/24/73	NO FLOW														
10/08/73	23	2.6	116		5.0	104	1,150	32		29	318				
10/22/73	NO FLOW														
11/05/73	47	2.6	700		0	103	975	395		58	551				
11/19/73	15	2.6	900		0	139	975	162		25	176				
12/06/73	56	2.7	820		0	55	625	552		37	421				
12/13/73	77	2.6	400		3.3	27	490	370		25	454				
4/15/74	95	2.7	400		0	82	600	458		94	687				
5/06/74	61	2.8	640		0	75	600	470		55	441				
5/21/74	56	2.6	500		0	74	550	337		50	371				
Average	28							221		49	232				

Station Number		Mine - Grab													
Shawmut #31, No.2 Shaffer Hollow Mine															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/18/73	15	3.6	110	None	6.4	16	170	20		3	31				
7/30/73	10	3.2	90		0.5	11	140	11		1	17				
8/13/73	6	3.0	150		3.4	14	240	11		1	17				
8/27/73	30	3.2	92		5.5	13	140	33		5	50				
9/10/73	20	3.0	240		3.8	30	360	58		7	87				
9/24/73	7	3.2	120		9.5	15	200	10		1	17				
10/08/73	60	3.5	120		3.3	10	198	87		7	143				
10/22/73	10	3.0	58		7	9	202	7		1	24				
11/05/73	115	2.9	400		5	43	450	553		59	622				
11/19/73	30	2.9	200		3	32	201	72		12	72				
12/06/73	90	2.8	300		1	27	325	325		29	352				
12/13/73	146	2.5	600		2.2	47	1,045	1,053		83	1,834				
4/15/74	125	2.9	100		0	26	225	151		39	339				
5/06/74	50	3.0	280		2	28	200	169		17	121				
5/21/74	65	2.8	280		6.7	38	275	219		30	215				
Average	47							171		17	213				

Station Number		Mine - V-Weir													
Open Auger Holes Into Shaffer Hollow Mine															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/18/73	101	3.6	670	None	1	64	690	813		78	838				
7/30/73	83	2.5	560		2	67	670	559		67	668				
8/13/73	56	2.5	560		1	75	830	377		50	559				
8/27/73	137	2.4	690		1.4	95	980	1,136		156	1,614				
9/10/73	115	2.6	580		0.5	78	820	802		108	1,133				
9/24/73	71	2.5	560		0.5	73	850	478		62	725				
10/08/73	137	2.6	620		4	72	598	1,021		119	985				
10/22/73	83	2.4	644		0	121	452	642		121	451				
11/05/73	253	2.7	700		0	100	1,125	2,129		304	3,421				
11/19/73	115	2.7	740		0	85	675	1,023		117	933				
12/06/73	199	2.7	540		0	44	425	1,292		105	1,017				
12/13/73	231	2.6	500		0	35	745	1,388		97	2,069				
4/15/74	300	2.9	280		0	33	425	1,012		119	1,536				
5/06/74	171	2.8	440		0	48	450	907		99	927				
5/21/74	190	2.8	360		0	47	400	824		108	916				
Average	142							958		117	1,144				

Station Number		Mine - V-Weir													
Proctor #3, Water Course															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/16/73	100	3.0	620	None	24	120	930	745		144	1,118				
7/25/73	199	2.5	660		14	140	1,000	1,579		335	2,392				
8/13/73	56	2.7	410		6.3	140	580	276		94	390				
8/27/73	137	2.4	680		5.2	120	980	1,120		198	1,614				
9/10/73	66	2.6	770		1.9	130	1,000	611		103	793				
9/24/73	83	2.5	770		5.4	140	1,100	768		140	1,097				
10/08/73	43	2.6	800		1.1	119	902	413		62	466				
10/22/73	71	2.4	672		2.2	120	601	573		102	513				
11/05/73	115	2.7	700		6	115	1,125	968		159	1,555				
11/19/73	115	2.7	800		0	124	675	1,106		171	933				
12/06/73	314	2.7	660		3	65	525	2,491		245	1,981				
12/13/73	369	2.6	600		2.2	47	1,000	2,661		208	4,435				
4/16/74	300	2.7	300		2.2	73	525	1,085		262	1,898				
5/06/74	199	2.8	520		6	75	600	1,247		180	1,439				
5/21/74	125	2.7	500		7.8	77	600	753		116	903				
Average	138							1,053		157	1,266				

Station Number		Mine - Grab													
Proctor #3 Mine, No.1 Drift															
Date	Flow (gpm)	pH	Concentration (mg/l)					Source Loading (lbs/day)							
			Acid	Alkalinity	Iron		Sulfate	Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
7/16/73	45	2.6	2,400	None	12	540	2,200	1,298		292	1,190				
7/25/73	20	2.0	2,100		14	550	2,300	504		132	553				
8/13/73	12	2.2	2,100		9.5	570	2,400	303		82	346				
8/27/73	30	2.1	1,700		4.5	420	1,800	613		151	649				
9/10/73	20	2.2	2,100		38	490	2,400	505		118	577				
9/24/73	15	2.2	1,800		5	440	2,100	325		79	379				
10/08/73	50	2.2	2,600		10	500	1,524	1,563		301	916				
10/22/73	60	2.4	1,600		0	380	1,426	1,154		274	1,028				
11/05/73	70	2.5	1,400		5	292	1,700	1,178		246	1,430				
11/19/73	30	2.6	1,380		0	268	1,525	498		96	550				
12/06/73	75	2.6	1,720		0	51	1,050	1,551		46	947				
12/13/73	150	2.4	1,100		0	85	1,100	1,983		153	1,983				
4/16/74	200	2.6	400		1.1	155	525	964		374	1,265				
5/06/74	100	2.7	860		2	169	600	1,036							

Station Number		Stream - Gauge										
Bennett Branch Downstream from Dixon Run												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron Ferrous	Total Iron	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/19/73	50,800	4.0	46	0	0.8	1.9	130	28,088	0	1,160	79,380	
8/01/73	46,000	3.4	72	0	0.9	3.2	210	39,810	0	1,769	116,113	
8/15/73	476,000	4.1	20	0	1.2	5.0	67	114,430	0	28,607	383,342	
8/29/73	34,000	3.2	74	0	0.5	3.1	150	30,242	0	1,266	61,302	
9/13/73	18,700	3.1	100	0	1.5	4.6	270	22,477	0	1,034	60,689	
9/27/73	25,200	3.5	56	0	1.1	2.0	160	16,963	0	606	48,465	
10/11/73	63,300	3.7	28	0	1.1	3.2	89	21,304	0	2,435	67,717	
10/25/73	43,500	4.2	30	0	2.7	86	15,686	0	1,412	44,967		
10/30/73	297,300	4.4	8	2	0	2.7	45	28,589	7,164	9,649	160,810	
11/05/73	57,000	4.0	20	0	1.1	2.7	41	13,703	0	1,850	28,091	
11/19/73	38,400	3.5	34	0	0	0.5	225	15,693	0	231	103,853	
11/28/73	509,800	3.3	14	0	0	7.1	65	85,789	0	43,507	398,300	
12/06/73	184,300	3.2	56	0	0	4.5	65	124,056	0	9,969	144,352	
12/13/73	209,200	3.8	14	0	1.1	3.5	45	35,204	0	8,801	113,156	
12/27/73	442,200	4.4	10	2	0	3.0	44	53,152	10,657	15,946	234,454	
4/18/74	136,030	3.8	20	0	2.2	4.9	100	32,783	0	8,301	163,916	
5/08/74	166,127	3.7	46	0	5.5	5.6	175	92,084	0	11,210	350,320	
5/23/74	74,916	5.2	4	8	0	3.7	68	3,611	7,222	3,340	61,386	

Station Number		Mine - Grab										
Spring Run Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron Ferrous	Total Iron	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/16/73	5	4.0	52	None	0.9	2.2	160	3		T	10	
7/30/73	2	3.3	110		1.7	3.4	260	3		T	6	
8/14/73	1	3.3	410		4.0	6.8	700	5		T	8	
8/28/73	10	3.4	77		0.5	1.4	270	9		T	32	
9/11/73	5	3.4	83		0.9	2.1	300	5		T	18	
9/24/73	T	3.6	63		1.2	4.2	60	T		T	T	
10/11/73	NO FLOW											
10/22/73	NO FLOW											
11/06/73	5	3.4	42		0	0.3	145	3		T	9	
Average	3								3		9	

Station Number		Strip - V-Weir										
Strip Mine, Left												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron Ferrous	Total Iron	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/16/73	21	3.2	320	None	100	110	1,000	61			28	252
7/30/73	21	3.2	260		111	140	1,100	66			35	278
8/14/73	21	3.4	280		14	42	1,100	71			11	278
8/28/73	21	3.1	230		95	120	990	58			30	250
9/11/73	26	3.2	260		100	110	1,100	81			34	34
9/24/73	26	3.3	260		110	140	1,200	81			44	375
10/12/73	20	3.0	220		92	94	697	53			23	168
10/22/73	21	2.6	238		56	153	598	60			39	151
11/06/73	26	3.3	300		5	67	675	94			21	211
11/21/73	23	3.2	280		105	106	600	77			29	165
12/05/73	29	2.6	260		50	52	700	91			18	244
12/12/73	61	2.7	200		45	48	900	147			35	660
4/16/74	39	3.0	80		52	54	400	38			25	188
5/06/74	29	3.2	200		71	72	825	70			25	288
5/21/74	21	2.8	200		58	79	575	51			20	145
Average	25							73			27	234

Station Number		Mine - Grab										
Cool Springs Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron Ferrous	Total Iron	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/16/73	5	3.2	52	None	0.5	1.2	220	3		1	13	
7/30/73	1	2.7	190		2.5	2.1	250	2		T	3	
8/14/73	NO FLOW											
8/28/73	2	2.7	130		0.5	6.1	170	3		T	4	
9/11/73	1	2.8	130		0.5	4.9	220	2		T	3	
9/24/73	1	2.8	140		1.8	3.0	220	2		T	3	
10/12/73	2	3.0	134		0	3.7	174	3		T	4	
10/22/73	T	2.6	130		0	4.0	225	T		T	T	
11/06/73	5	3.1	62		0	9.7	165	4		1	10	
11/21/73	2	3.1	116		0	4.9	205	3		T	5	
12/05/73	25	2.7	200		0	22	200	60		7	60	
12/12/73	30	2.9	164		0	16	170	59		6	61	
4/16/74	45	3.1	60		1.1	9.9	225	33		5	122	
5/06/74	30	3.1	180		0	13	200	65		5	72	
5/21/74	20	2.9	120		0	12	130	29		3	36	
Average	9							18		2	21	

Station Number		Mine - Grab										
Cool Springs Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron Ferrous	Total Iron	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/16/73	10	3.4	130	None	1.8	6.7	190	16		1	23	
7/30/73	1	3.0	92		2.6	6.0	170	1		T	2	
8/14/73	NO FLOW											
8/28/73	1	3.0	92		1.3	4.1	140	1		T	2	
9/11/73	1	3.1	100		2.8	5.0	150	1		T	2	
9/24/73	1	3.1	140		3.8	7.2	180	2		T	2	
10/12/73	1	3.1	12		3.4	5.8	97	1		T	1	
10/22/73	1	3.3	60		5.6	5.8	304	1		T	4	
11/06/73	3	3.3	104		0	3.4	120	4		T	4	
11/21/73	2	3.2	80		0	3.8	185	2		T	4	
12/05/73	5	3.1	72		0	4.3	206	4		T	12	
12/12/73	25	3.0	88		0	7.4	180	26		2	54	
4/16/74	5	3.4	60		0	1.6	125	4		T	8	
6/06/74	5	3.5	50		2.2	2.7	225	3		T	14	
5/21/74	16	4.5	4		0	1.0	18	1		T	3	
Average	4							3		T	7	

Station Number		Mine - Grab										
Pine Valley Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron Ferrous	Total Iron	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/16/73	50	3.6	90	None	1.1	4.2	150	54			3	90
7/30/73	30	3.1	110		1.4	5.0	200	40			2	72
8/14/73	20	3.1	52		2.4	9.0	250	13			2	60
8/28/73	40	3.2	90		1.3	4.4	150	43			2	72
9/11/73	30	3.2	110		1.2	5.3	180	40			2	65
9/24/73	20	3.2	150		1.4	6.1	230	36			2	55
10/12/73	30	3.4	84		2.2	3.6	149	30			1	54
10/22/73	25	3.3	100		0	3.6	206	30			1	62
11/06/73	90	3.3	84		0	2.2	110	91			2	119
11/21/73	68	3.3	92		0	2.5	180	75			2	147
12/05/73	125	3.0	66		0	1.8	120	99			3	180
12/12/73	137	3.1	66		0	2.3	130	109			4	214
4/16/74	300	3.5	40		0	0.4	175	144			1	633
5/06/74	150	3.6	40		0	0.7	250	72			1	452
5/21/74	100	3.4	50		0	1.3	200	60			2	241
Average	94							56			2	148

Station Number		Stream - Gauge										
Spring Run at Trout Run												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron Ferrous	Total Iron	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/17/73	7,000	6.3	2	0	0.4	0.4	24	168	0	34	2,019	
7/31/73	6,600	5.0	4	0	0.3	0.3	48	317	0	24	3,808	
8/14/73	6,900	6.6	0	0	0.3	0.3	38	0	0	25	3,152	
8/28/73	23,400	6.3	2	0	0.4	0.4	24	563	0	113	6,750	
9/12/73	10,000	6.5	0	0	0.2	0.2	24	0	0	24	2,885	
9/25/73	4,560	5.8	4	6	0	0.3	0	220	330	16	0	
10/11/73	17,750	6.1	2	8	0	0.1	29	428	1,711	21	6,203	
10/24/73	14,000	6.3	6	6	0	0.3	35	1,735	1,731	87	10,097	
11/19/73	26,000	5.5	10	2	0	0.1	30	3,133	627	31	9,376	
12/06/73	29,300	6.0	0	8	0	0.3	30	0	2,817	106	10,917	
12/12/73	12,600	6.1	2	8	0	0.1	31	304	1,215	15	4,695	
4/17/74	43,238	5.1	2	10	0	0.1	20	1,042	5,210	52	10,420	
5/07/74	42,400	6.1	4	18	0	0.1	175	2,044	9,196	51	89,411	
5/22/74	34,500	5.1	2	8	0	0.3	14	831	3,326	125	5,820	
Average	20,688							774	2,057	54	15,089	

Station Number		Mine - Grab										
Spring Run Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron Ferrous	Total Iron	Sulfate	Acid	Alkalinity	Total	Sulfate	
7/16/73	1	3.7	58	None	1.6	3.3	170	1		T	2	
7/30/73	2	3.6	64		0.8	2.0	270	2		T	7	
8/14/73	1	3.6	78		1.4	3.1	270	1		T	3	
8/28/73	5	3.8	45		0.5	1.1	210	3		T	13	
9/11/73	5	3.7	65									

Station Number		Strip - 2-Ft. Weir													
Cool Bank Run (Strip Mine & Country Bank Discharge)															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Acid	Alkalinity	Total	Sulfate
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate					
7/12/73	108	3.5	240	None	3.0	9.0	930	312			12	1,207			
7/31/73	94	3.0	280		1.5	10.0	1,000	316			11	1,130			
8/14/73	108	3.0	350		1.4	12	1,200	454			16	1,558			
8/28/73	171	2.9	110		1.4	9.0	870	226			18	1,788			
9/12/73	138	3.0	350		0.9	13	1,000	581			22	1,659			
9/25/73	123	3.2	160		0	9.7	572	237			14	846			
10/11/73	243	3.2	216		0	5.6	398	631			16	1,163			
10/24/73	154	3.2	268		0	8.4	601	496			16	1,112			
11/08/73	262	3.4	174		0	5.0	550	548			16	1,732			
11/19/73	206	3.3	150		0	6.2	473	372			15	2,909			
12/06/73	430	3.2	122		0	4.0	395	631			21	2,042			
12/12/73	524	3.4	120		0	4.6	314	749			29	1,978			
4/17/74	622	3.4	100		0	2.0	275	749			15	2,061			
5/22/74	322	3.1	150		0	3.3	400	582			13	1,552			
Average	231							489			16	1,576			

Station Number		Mine - V-Weir													
Country Bank (Chase Hollow)															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Acid	Alkalinity	Total	Sulfate
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate					
7/12/73	21	5.1	14	0	0.5	1.8	230	4	0	1	58				
7/31/73	21	5.3	20	0	1.4	2.0	250	5	0	1	63				
8/14/73	20	5.4	8	0	1.8	2.4	280	2	0	1	67				
8/28/73	29	4.7	10	0	1.4	2.3	250	3	0	1	87				
9/12/73	29	5.5	12	0	1.8	2.1	270	4	0	1	94				
9/25/73	21	5.4	2	4	0	1.7	344	1	1	T	87				
10/11/73	52	5.1	20	4	0	1.2	289	13	2.5	1	181				
10/24/73	29	5.5	8	2	0	1.0	271	3	0.7	T	94				
11/08/73	66	5.0	14	6.0	0	1.3	240	11	4.8	1	190				
11/19/73	43	5.1	10	2	0	0.9	235	5	1.0	1	121				
12/06/73	95	5.1	8	2	0	0.9	220	9	2.3	1	251				
12/12/73	115	5.1	6	14	0	0.9	210	8	19.4	1	290				
4/17/74	115	5.0	6	8	0	0.3	165	8.3	11	T	229				
5/07/74	101	5.3	8	10	0	3	200	9.7	12	4	243				
5/22/74	61	4.3	12	2	0	0.8	212	9	1.5	1	156				
Average	53							6.6	3.1	1	149				

Station Number		Mine - Grab													
Cummings Mine (Chase Hollow)															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Acid	Alkalinity	Total	Sulfate
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate					
7/12/73	10	3.6	310	None	2.4	9.2	900	37			1	108			
7/31/73	2	3.1	290		1.9	4.4	950	7			T	23			
8/14/73	5	3.3	230		6.4	9.0	870	14			1	52			
8/28/73	7	3.0	320		1.4	5.5	900	27			1	76			
9/12/73	6	3.2	330		0.6	5.5	940	24			T	68			
9/25/73	4	3.3	162		0	0.0	748	8			0	36			
10/11/73	12	3.3	240		1.1	3.2	476	35			1	69			
10/24/73	5	3.6	190		0	1.7	448	11			T	27			
11/08/73	12	3.6	164		0	2.1	515	24			T	74			
11/19/73	10	3.5	160		0	0.9	260	19			T	31			
12/06/73	15	3.4	110		0	2.2	470	20			T	85			
12/12/73	18	3.6	114		0	0.8	452	25			T	98			
4/17/74	45	3.2	160		1.12	6.5	525	87			4	285			
5/07/74	20	3.6	122		0	1.6	425	29			T	102			
5/22/74	15	3.2	118		0	3.3	400	21			1	72			
Average	10							21			T	64			

Station Number		Stream - Gauge													
Chase Hollow Run 0.8 Mile Upstream of Trout Run															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Acid	Alkalinity	Total	Sulfate
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate					
7/12/73	240	4.5	110	None	5.8	5.9	940	317			17	2,712			
7/31/73	500	4.4	94		5.1	6.4	510	565			38	3,065			
8/14/73	150	4.2	66		0.9	3.3	1,200	119			6	2,164			
8/28/73	470	4.3	83		3.4	5.0	800	469			28	4,520			
9/12/73	350	4.5	98		5.8	6.4	930	412			27	3,913			
9/25/73	380	4.4	34		5.6	6.9	598	155			32	2,731			
10/11/73	850	4.2	64		1.1	3.2	425	654			33	4,342			
10/24/73	405	4.7	64		0	3.0	548	312			15	2,668			
11/08/73	1,420	4.7	48		1.1	2.3	360	819			39	6,145			
11/19/73	1,700	4.0	60		1.1	3.8	350	1,226			78	7,152			
12/06/73	3,300	4.1	40		0	2.2	280	1,587			87	11,106			
12/13/73	3,530	4.7	47		0	2.1	261	1,994			89	11,074			
4/17/74	1,500	3.9	40		2.2	2.8	250	723			51	4,519			
5/07/74	1,570	4.1	50		2.2	3.7	375	946			70	7,094			
5/22/74	250	3.8	56		0	1.6	275	169			5	828			
Average	1,083							703			40	4,681			

Station Number		Stream - Gauge													
Cool Bank Run															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Acid	Alkalinity	Total	Sulfate
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate					
7/12/73	470	3.4	290	None	0.5	5.3	800	1,638			30	4,520			
7/31/73	250	3.0	310		0.5	5.2	500	932			16	1,503			
8/14/73	280	3.0	340		0.6	6.2	1,000	1,144			21	3,366			
8/28/73	430	3.0	270		0.8	5.0	750	1,396			26	3,876			
9/12/73	380	3.0	330		0.5	8.0	940	1,507			37	4,294			
9/25/73	180	3.1	204		0	6.2	701	441			13	1,517			
10/11/73	1,140	3.3	228		0	3.9	469	3,124			53	6,153			
10/24/73	290	3.3	228		0	4.7	549	795			16	1,914			
11/08/73	675	3.3	162		0	4.0	540	1,314			32	4,381			
11/19/73	680	3.2	160		0	4.7	740	1,308			38	6,048			
12/06/73	795	3.3	144		0	3.8	425	1,376			36	4,061			
12/13/73	905	3.3	142		0	3.6	407	1,545			39	4,427			
5/07/74	1,050	3.5	122		2.2	3.3	450	1,543			42	5,693			
5/22/74	840	3.2	128		0	2.5	350	1,295			25	3,543			
Average	573							1,374			29	3,770			

Station Number		Stream - Gauge													
Chase Hollow Run at Trout Run															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Acid	Alkalinity	Total	Sulfate
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate					
7/12/73	1,540	4.6	68	None	0.5	1.1	640	1,259			20	11,847			
7/31/73	670	4.2	290		0.5	0.7	860	2,335			6	6,926			
8/14/73	500	4.3	56		0.5	0.5	970	337			3	5,830			
8/28/73	1,025	4.2	66		0.3	0.3	700	813			4	8,624			
9/12/73	680	4.2	84		0.5	0.7	800	687			6	6,539			
9/25/73	880	4.2	26		0	0.6	824	275			6	7,924			
10/11/73	2,000	4.4	48		0	0.7	351	1,154			17	8,438			
10/24/73	770	4.2	48		0	1.5	451	444			14	4,474			
11/04/73	750	4.3	46		0	1.2	300	415			11	2,705			
11/19/73	1,540	4.2	24		0	1.8	510	444			33	9,441			
12/06/73	3,330	4.2	42		0	1.2	265	1,681			48	10,607			
12/13/73	2,140	4.2	39		0	1.8	275	1,003			46	7,074			
4/17/74	4,873	3.4	100		0	0	275	5,872			0	16,148			
5/07/74	4,000	4.3	32		1.1	1.5	350	1,542			72	16,870			
5/22/74	3,206	3.9	60		0	0.7	300	2,318			27	11,590			
Average	1,767							1,109			24	8,619			

Station Number		Stream - Gauge													
Trout Run Below Spring Run															
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate	Acid	Alkalinity	Total	Sulfate
			Acid	Alkalinity	Iron	Total	Acid	Alkalinity	Total	Sulfate					
7/17/73	14,600	6.2	0	0	0.5	0.9	14	0	0	158	2,463				
7/31/73	13,750	6.1	2	0	0.5	0.9	29	331	0	149	4,804				
8/14/73	14,380	6.5	0	0	0.3	0.3	48	0	0	52	8,317				
8/28/73	48,760	6.4	3	0	0.2	0.2									

Station Number		Strip - Grab												
Strip Pit, Chase Hollow, West														
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate			
			Acid	Alkalinity	Iron		Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total								
7/17/73	25	3.5	140	None	0.5	0.8	500	42			T	150		
7/31/73	15	3.3	200		0.5	0.6	580	36			T	105		
8/14/73	8	3.4	150		0.5	0.7	610	14			T	59		
8/28/73	20	3.2	240		0.5	0.6	660	58			T	159		
9/12/73	15	3.3	210		0.5	0.5	630	38			T	114		
9/25/73	10	3.4	104		0	0.3	474	13			T	57		
10/11/73	30	3.5	174		0	0.3	35	63			T	13		
10/23/73	9	3.4	178		0	0.3	274	19			T	30		
11/08/73	45	3.5	182		0	0.4	705	98			T	381		
11/19/73	15	3.3	200		0	0.3	475	36			T	86		
12/06/73	70	3.4	212		0	0.6	150	178			T	126		
12/13/73	63	3.4	207		0	0.4	261	157			T	198		
4/17/74	55	3.5	106		0	0.9	400	70			T	265		
5/07/74	50	3.6	94		0	0.1	450	57			T	271		
5/22/74	30	3.3	98		0	0.2	350	35			T	127		
Average	30							61			T	139		

Station Number		Strip - Grab												
Strip Pit at Whiskey Hollow Run														
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate			
			Acid	Alkalinity	Iron		Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total								
7/17/73	2	3.7	140	None	0.5	1.3	530	3			T	13		
7/31/73	2	3.2	210		3.4	7.8	580	4			T	10		
8/14/73	1	3.3	150		0.5	3.0	580	1			T	3		
8/28/73	3	3.1	200		0.8	3.1	530	7			T	19		
9/12/73	2	3.2	200		0.6	2.5	630	5			T	15		
9/25/73	2	3.3	120		2.2	3.2	451	3			T	11		
10/11/73	6	3.3	150		0	0.1	526	11			T	38		
10/23/73	2	3.3	178		0	2.2	398	4			T	10		
11/08/73	5	3.4	132		0	1.2	990	8			T	59		
11/19/73	3	3.4	200		0	1.4	475	6			T	14		
12/06/73	30	3.3	116		0	1.4	325	42			T	117		
12/13/73	25	3.4	127		0	1.2	389	38			T	117		
4/17/74	10	3.5	70		0	0.3	225	8			T	27		
5/07/74	8	3.6	120		2	14	300	12			T	29		
5/21/74	5	3.3	92		0	0.7	350	6			T	21		
Average	7							11			T	34		

Station Number		Strip - Grab												
Eph Morey Hollow Run														
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate			
			Acid	Alkalinity	Iron		Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total								
9/12/73	25	6.2	8	0	0.5	1	220	2			0	0.3	66	
5/8/74	200	6.5	4	38	0	0.1	91	10			91	0.2	217	
5/22/74	300	5.5	4	14	0	0.1	100	14			51	0.4	362	
Average	175							9			47	0.3	215	

Station Number		Stream - Gauge												
Bennett Branch Downstream from Trout Run														
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate			
			Acid	Alkalinity	Iron		Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total								
7/19/73	70,900	4.0	40	0	0.5	0.7	98	34,088	0	597	83,517			
8/02/73	61,600	3.6	48	0	0.1	0.7	200	35,540	0	518	148,086			
8/15/73	800,000	4.1	14	0	0.8	3.8	48	134,624		36,541	461,568			
8/29/73	57,800	3.5	38	0	0.5	1.6	91	26,400	0	1,112	63,223			
9/13/74	31,400	3.4	54	0	0.5	1.4	150	20,381	0	528	56,614			
9/27/73	42,300	3.4	36	0	0	0.4	115	18,304	0	203	58,471			
10/11/73	106,300	3.9	18	0	0	1.0	28	22,999	0	1,278	35,776			
10/25/73	60,800	3.7	38	0	0	0.9	94	27,771	0	658	68,697			
10/30/73	500,000	4.4	6	2	0	1.2	36	36,150	12,050	7,212	216,360			
11/08/73	225,000	3.8	22	0	2.2	3.8	30	59,499	0	10,277	81,135			
11/19/73	64,500	3.5	18	0	0	1.2	30	13,955	0	930	23,259			
11/28/73	856,700	3.3	26	0	0	3.4	30	267,736	0	35,012	308,926			
12/06/73	310,000	3.4	25	0	0	2.3	47	93,155	0	8,570	204,941			
12/18/73	351,000	3.2	26	0	0	6.2	55	109,695	0	26,158	232,046			
12/27/73	743,200	4.5	6	2	0	2.1	36	53,600	17,911	18,760	321,598			
4/18/74	228,610	4.1	12	0	0	2.1	30	33,057	0	5,785	82,643			
5/08/74	279,140	4.1	18	0	2.2	2.3	200	60,545	0	7,736	672,727			
5/23/74	125,840	3.7	22	0	0	1.4	150	33,360	0	2,122	227,456			
Average	250,352							58,039	1,118	8,756	208,526			

Station Number		Stream - V-Weir												
Nt. Pleasant Church Run at Bennett Branch, Strip & Deep Mine Drainage														
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate			
			Acid	Alkalinity	Iron		Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total								
7/17/73	26	3.6	200	None	0.5	6.6	650	63			2	203		
8/02/73	36	3.2	160		2.1	7.2	660	69			3	286		
8/15/73	153	3.2	190		0.6	7.3	460	349			13	846		
8/29/73	36	3.2	170		1.6	5.1	600	74			2	260		
9/13/73	23	3.3	130		2.4	6.6	760	36			2	210		
9/27/73	21	3.5	76		0.0	4.9	402	19			1	101		
10/11/73	77	3.4	90		2.2	5.3	433	83			5	401		
10/25/73	29	3.5	400		0.0	5.8	651	139			2	227		
11/08/73	95	3.2	62		1.1	6.2	365	71			7	417		
11/19/73	48	3.5	124		4.5	5.1	375	72			3	216		
12/06/73	101	3.2	226		0.0	6.9	400	274			8	486		
12/18/73	88	3.1	300		2.2	7.1	425	317			8	450		
4/18/73	190	3.6	40		1.1	3.2	150	92			7	343		
5/08/73	115	3.5	104		2.2	4.7	375	144			7	520		
5/22/73	122	3.4	70		0	5.4	200	102			8	294		
Average	64							110			5	332		

Station Number		Stream - Gauge												
Bennett Branch Below Mt. Pleasant Church Run														
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate			
			Acid	Alkalinity	Iron		Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total								
7/19/73	78,900	4.0	44	0	0.5	0.6	120	41,729	0	369	113,805			
8/02/73	68,600	3.5	48	0	0.3	1.0	130	39,579	0	824	107,194			
8/15/73	891,300	4.0	14	0	0.6	2.6	67	149,988	0	27,855	717,800			
8/29/73	64,400	3.6	36	0	0.5	0.6	100	27,867	0	464	77,409			
9/13/73	35,100	3.5	49	0	0.5	1.1	210	20,673	0	464	88,599			
9/27/73	47,200	3.8	36	0	0	0.4	115	20,424	0	227	65,246			
10/11/73	118,500	3.9	24	0	0	0.4	66	34,185	0	570	94,008			
10/25/73	67,700	3.7	40	0	0	0.7	143	32,550	0	570	116,367			
10/30/73	556,600	4.3	4	0	0	1.3	31	26,761	0	6,697	207,460			
11/08/73	195,000	4.0	20	0	0	1.4	35	46,878	0	3,281	82,030			
11/19/73	71,900	3.6	20	0	0	0.7	60	17,285	0	604	51,854			
11/28/73	954,500	3.7	14	0	0	4.3	30	160,623	0	49,334	344,193			
12/06/73	345,000	4.1	26	0	0	2.0	55	107,819	0	8,294	238,080			
12/18/73	391,600	4.2	26	0	0	1.8	55	122,383	0	8,473	258,887			
12/27/73	828,000	4.5	6	2	0	2.0	38	59,715	19,955	19,905	378,197			
4/18/74	253,236	4.0	10	0	0	1.6	30	30,515	0	4,882	91,545			
5/08/73	311,000	4.1	20	0	1.1	2.1	125	74,951	0	7,870	468,444			
5/23/74	140,218	3.8	20	0	0	0.5	200	33,793	0	845	337,925			
Average	276,409							58,463	907	7,336	229,925			

Station Number		Stream - V-Weir												
Tributary of Bell Hollow														
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)				Sulfate			
			Acid	Alkalinity	Iron		Acid	Alkalinity	Total	Sulfate	Acid	Alkalinity	Total	Sulfate
					Ferrous	Total								
7/18/73	21	4.2	52	None	0.5	1.2	260	13			T	66		
8/01/73	47	5.0	28		0.9	1.4	270	16			T	153		
8/15/73														
8/30/73	10	3.6	82		0.5	1.3	160	10			T			

Station Number		Mine - Grab										
Tyler #16 Drift												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
			Ferrous	Total								
7/18/73	8	3.1	400	None	0.1	52	650	38		5	63	
8/01/73	5	2.7	430		1.4	34	680	24		2	38	
8/15/73	5	2.6	400		0.6	28	600	24		2	36	
8/30/73	5	2.5	460		0.5	34	340	28		2	20	
9/11/73	4	2.5	480		0.5	34	700	23		2	34	
9/25/73	3	2.7	480		0.0	26	674	17		1	24	
10/10/73	3	2.8	520		0.0	22	500	16		1	15	
10/24/73	3	2.4	506		0.0	38	574	18		1	21	
11/06/73	3	3.1	500		0.0	40	550	18		1	20	
11/20/73	7	3.0	540		0.0	41	650	45		3	55	
12/05/73	15	3.0	500		0.0	25	575	90		5	104	
12/12/73	35	3.4	214		0.0	0.7	190	90		7	80	
4/11/74	15	2.9	340		0.0	19	325	61		3	59	
4/30/74	10	2.9	320		0.0	18	475	35		2	57	
5/15/74	15	2.8	250		0.0	16	225	45		3	41	
Average	8							35		2	41	

Station Number		Stream - Gauge										
Bell Hollow at Laurel Run												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
			Ferrous	Total								
8/01/73	1,000	3.4	110	None	1.4	3.8	310	1,322		46	3,726	
8/15/73	4,425	3.9	40		0.5	1.7	180	2,128		90	9,574	
8/30/73	1,000	3.4	76		1.0	9.0	260	914		108	3,125	
9/11/73	720	3.2	120		0.5	3.1	320	1,039		27	2,769	
9/25/73	350	3.4	92		0.0	3.2	388	387		13	1,632	
10/10/73	1,200	2.8	520		0.0	2.2	500	7,500		32	7,212	
10/24/73	3,000	3.0	88		0.0	1.8	276	3,173		65	9,953	
11/06/73	1,832	3.9	38		0.0	2.3	160	837		51	3,523	
11/20/73	2,030	3.7	62		0.0	2.8	200	1,513		68	4,880	
12/05/73	3,850	3.9	50		0.0	3.6	225	2,314		167	10,412	
12/12/73	1,890	3.5	50		0.0	3.4	180	1,136		77	4,089	
4/11/74	2,714	3.9	28		0.0	2.9	275	916		95	8,994	
4/30/74	1,550	3.1	44		0.0	3.4	275	822		64	5,136	
5/15/74	4,700	4.1	50		0.0	2.5	200	2,832		142	11,327	
Average	2,234							2,091		77	6,293	

Station Number		Stream - Gauge										
Bakemans Run at Bennett Branch												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
			Ferrous	Total								
8/27/73	150	7.1	0	16	0.5	0.7	82	0	29	1	148	
9/13/73	150	6.8	0	32	0.4	0.4	38	0	58	1	69	
9/27/73	150	6.9	8	40	0	0.3	50	14	72	1	90	
10/11/73	300	6.7	2	20	0	0.4	73	7	72	1	263	
Average	196							6.4	66	1	136	

Station Number		Mine - Grab										
Hand Coal #6 Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
			Ferrous	Total								
8/27/73	10	2.6	590	None	1.2	49	1,300	71		6	156	
9/13/73	0.1	2.6	880		1.0	120	1,700	1		T	2	
9/27/73	NO FLOW											
10/11/73	NO FLOW											
10/24/73	NO FLOW											
11/05/73	10	2.8	30		19	38	425	4		5	51	
11/21/73	NO FLOW											
12/06/73	30	2.9	400		1	39	375	144		14	135	
12/13/73	67	2.8	490		12	38	400	395		31	322	
4/16/74	100	4.0	40		5.6	5.8	150	48		7	181	
5/06/74	15	3.6	86		3.3	3.9	250	16		1	45	
5/22/74	20	3.3	106		0.0	3.0	150	26		1	36	
Average	13							42		13	49	

Station Number		Mine - Grab										
Tyler #9 Drift												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
			Ferrous	Total								
9/12/73	10	3.1	130	None	0.5	1.2	360	16		T	43	
9/27/73	100	3.3	120		0.0	1.2	339	144		T	407	
10/15/73	75	3.4	94		0.0	0.7	149	85		1	134	
10/25/73	90	3.2	124		0.0	0.4	298	134		T	322	
11/06/73	300	3.2	122		0.0	1.2	270	440		4	974	
11/21/73	135	3.3	110		0.0	0.6	315	178		1	511	
12/06/73	300	3.1	124		0.0	1.2	280	447		4	1,010	
12/13/73	300	3.1	118		0.0	1.1	308	426		4	1,111	
4/09/74	510	3.4	76		0.0	0	230	467		0	1,413	
5/01/74	170	3.4	66		0.0	0.5	75	135		1	154	
5/14/74	150	3.3	72		0.0	0.5	225	130		1	407	
Average	172							216		2	497	

Station Number		Mine - Grab										
Tyler Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
			Ferrous	Total								
9/27/73	2	5.2	18	4	11	13	273	T	T	T	7	
10/15/73	3	6.0	8	10	1.1	2.2	203	T	T	T	7	
10/25/73	2	5.6	8	6	1.1	2.2	291	T	T	T	7	
11/06/73	4	5.6	16	12	3	5.0	215	1	1	T	10	
11/21/73	12	5.1	20	0	0	8.6	220	3	0	1	32	
12/06/73	5	4.9	8	2	0	1.2	210	T	T	T	13	
12/13/73	10	4.9	12	2	0	2.4	215	1	T	T	26	
4/09/74	10	4.8	12	4	0	1.1	155	1	T	T	19	
5/01/74	15	5.1	8	8	0	0.3	92	1	1	T	17	
5/14/74	10	5.4	16	10	0	0.1	175	2	1	T	21	
Average	8							1	T	T	16	

Station Number		Mine - Grab										
Tyler Mine												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
			Ferrous	Total								
9/27/73	12	5.4	2	2	0	0.4	144	T	T	T	21	
10/15/73	50	6.4	2	4	0	0.1	82	1	2	T	49	
10/25/73	20	5.7	4	4	0	0.0	94	1	1	0	23	
11/06/73	80	6.1	4	8	0	0.1	80	4	8	T	77	
11/21/73	35	5.7	4	4	0	0.1	115	2	2	T	48	
12/06/73	75	5.8	4	6	0	0.1	70	4	5	T	63	
12/13/73	47	5.6	6	8	0	0.4	75	3	5	T	42	
4/09/74	75	5.5	2	8	0	0.3	55	2	7	T	50	
5/02/74	30	5.5	4	8	0	0.2	88	1	3	T	32	
5/14/74	60	4.9	8	6	0	0.1	200	6	4	T	145	
Average	48							2.5	3.6	T	58	

Station Number		Mine - Grab										
Penfield Coal and Coke #2 Drift												
Date	Flow (gpm)	pH	Concentration (mg/l)				Source Loading (lbs/day)					
			Acid	Alkalinity	Iron	Sulfate	Acid	Alkalinity	Total	Sulfate		
			Ferrous	Total								
10/15/73	10	2.8	380	None	0.0	26	474	46		3	57	
10/25/73	60	2.8	500		2.2	31	399	361		23	288	
11/06/73	135	2.7	300		0.0	42	325	487		68	527	
11/21/73	120	3.0	460		0.0	26	695	664		38	1,002	
12/06/73	200	2.9	470		0.0	22	520	1,130		53	1,250	
12/13/73	150	2.8	480		0.0	28	545	865		51	983	
4/09/74	750	3.1	152		0.0	14	275	1,374		124	2,485	
5/01/74	100	3.1	186		0.0	12	200	224		14	241	
5/14/74	300	2.9	240		0.0	8	350	868		27	1,265	
Average	156							626		37	772	

WATER QUALITY DATA FROM REFUSE LEACHATES

Sample No.	pH	Acid	Alkalinity	Iron		Sulfate	Remarks
				Ferrous	Total		
SO-1	3.1	200		*	*	286	R302, Moose Run, Gobblers Knob No.1 Drift
SO-2	3.4	92		*	*	294	R302, Moose Run, Gobblers Knob No.1 Drift
SO-3	3.6	40		*	*	34	R323, Tyler Reser.Run, Tyler Mine, No.5 Drift
SO-4	3.7	42		*	*	25	S115, Tyler Reser.Run, Near Tyler Mine, No.1 Drift
SO-5	2.9	700		*	*	576	R303, Tyler Reser.Run, Tyler No.14
SO-6	3.4	20		0	30	30	R303, Tyler Reser.Run, B&S Railroad Dike
SO-7	3.3	32		0	29	30	R307, Tyler Reser.Run, Active Tipple
SO-8	3.1	104		2	60	55	R305, Tyler Run, Proctor No.2; No.1 Drift
SO-9	3.4	32		6	55	45	R304, Mill Run, Proctor No.2; No.7 Drift
SO-10	3.6	24		0	25	14	SL04, Mill Run, Samoski Mine
SO-11	3.4	24		1	22	45	S104, Mill Run
SO-12	3.7	24		0	24	40	R322, Tyler Run, Proctor No.1; No.4 Drift
SO-13	3.2	42		0	28	40	R322, Tyler Run, Proctor No.2; No.5 Drift
SO-14	3.8	16		0	13	15	S112, Tyler Run
SO-15	3.4	22		0	22	30	R312, Cherry Run, Shawmut No.41; No.6 Drift
SO-16	3.9	18		0	28	80	R310, Cherry Run, Proctor No.1; No.6 Drift

Sample No.	pH	Acid	Alkalinity	Iron		Sulfate	Remarks
				Ferrous	Total		
SO-17	3.7	14		2	25	40	S106, Cherry Run, Proctor No.1; No.2 Drift
SO-18	3.1	32		0	34	30	R311, Cherry Run, Five Points Mine
SO-19	3.2	16		0	24	45	S122, Kersey Run
SO-21	3.6	14		3	23	20	R313, Kersey Run, Shawmut No.42; No.3 Drift
SO-22	3.0	100		0	34.8	175	R315, Kersey Run, Shawmut No.31; No.2 Drift
SO-23	2.6	140		2.2	38.4	225	R317, Kersey Run, Shawmut No.31
SO-24	2.9	40		0	8.5	45	R316, Kersey Run, Shawmut No.31
SO-25	2.9	40		0	21.7	45	S129, Kersey Run, Gustafson Mine
SO-26	3.0	60		0	4.2	60	R318, Kersey Run, Coke Oven Ruins
SO-27	2.9	60		0	35.8	55	S180, Kersey Run
SO-28	3.0	60		0	20.6	45	S181, Kersey Run
SO-29	3.0	40		0	24.5	45	S182, Kersey Run
SO-30	3.1	60		0	44.2	70	S145, Dixon Run
SO-31	3.3	18		0	14.9	50	S145, Dixon Run
SO-32	2.5	2,280		420	484	1,625	S147, Dixon Run
SO-33	3.2	24		0	28.8	30	S144, 145, Dixon Run
SO-34	4.5	30		0	28.3	25	S141, Dixon Run

Sample No.	pH	Acid	Alkalinity	Iron		Sulfate	Remarks
				Ferrous	Total		
S0-35	3.0	200		0	43.2	55	R320, Dixon Run, Proctor No.3
S0-36	2.7	280		0	78.7	230	S150, Mr. Pleasant Church
S0-37	3.2	40		0	42.2	55	S148, Mt. Pleasant Church
S0-38	3.6	28		0	13.8	35	R321, Mt. Pleasant Church
S0-39	5.5	26	98	11.2	16.2	25	S156, Trout Run
S0-40	4.2	20		4.5	19.7	55	S160, Trout Run
S0-41	4.1	26		5.6	32.7	15	S164, Trout Run
S0-42	3.6	20		0	20.4	45	S175, Trout Run
S0-43	3.2	30		6	31	20	S133, Trout Run
S0-44	3.7	6		0	27	30	S138, Trout Run